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## **When Doors are Removed for Our Own Safety**

*A Historical Case Study of the 'Failed' "Question Mark" Telephone Booth*

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# **4S 2017**

## **STS (In)Sensibilities**

**August 30-September 2**

**Sheraton Hotel  
Boston, Massachusetts, U.S.**



## Join the discussion

Twitter: Use the hashtag #4S2017 when tweeting from the meeting. We will be monitoring the feed and retweeting.

Facebook: mention @4SPage in your post. We'll share selected posts.

## President's Welcome to 4S 2017

The cover image of the program that you hold in your hands is a 'heat map' depicting the most photographed locations in Boston. Created by data artist and software developer Eric Fischer using the rendering tool Mapbox, the image is derived from geo-tagged photos uploaded to the photo-sharing website Flickr over a ten-year period. It translates those data as a diagram, which we're invited to read as evidence for those locations in the city of Boston that have been judged the most photogenic. Aesthetically pleasing and conceptually suggestive, this diagram stands as an index of our conference theme, STS (In)sensibilities. It invites us to consider how STS sensibilities can help us to read data-based renderings critically, not only for the sociotechnical infrastructures that enable them and the signs of sociomaterial life that they document, but also for that which escapes data capture by either the methods of data sciences, or our own.

The lead-up to our gathering here in Boston for the 42<sup>nd</sup> Annual Meeting of the Society for Social Studies of Science has been fraught with troubling developments across a world that seems ever more threatened, and the United States is arguably among the greatest contributors to that precarity. In the face of these troubles, 4S has joined with sister societies internationally to reaffirm the importance of evidence-based knowledge-making practices in the humanities, social and technosciences, and of the freedom of scholars and activists to speak, travel, and assemble. Through the *4S Ad Hoc Committee in Support of non-US Travelers*, headed by our incoming President Kim Fortun, we've worked to assemble resources to mitigate the reprehensible policies of President No. 45 with respect to US border crossings. I hope that none of you who've had to make that crossing have suffered harassment, and want to acknowledge those who haven't made it due either to questions of conscience or difficulties surrounding visas or other concerns regarding their smooth passage into the US.

In response to a suggestion from Maurizio Meloni, Becky Mansfield, and Martine Lappe, we have moved towards pluralizing languages at this year's conference – thanks to the volunteer translators who enabled us to extend this invitation in 12 languages! While framed in this instance by the particular concerns that many of us have about the outcomes of the US Presidential election and the UK referendum on Brexit, this is an initiative with relevance beyond those immediate events. It is a small step towards recognizing what it means to be an international association of scholars, with the aim of displacing hegemonic languages and more equally distributing the hard work of communicating within difference.

Beginning Wednesday morning and continuing throughout the day on Saturday, this year's conference offers a rich and varied program in what is the largest of our gatherings to date. Our opening plenary addresses the question of how we might Interrogate "the Threat," bringing STS sensibilities to bear in critical analysis of dominant framings of matters of concern, and generative reframings that can help us to find alternate spaces

for thought and action. Those spaces comprise the focus of our second plenary on Friday evening, exploring a range of initiatives and forms that an Engaged STS has taken, and might yet take.

This opportunity to come together to regenerate our intellectual energy and to connect with colleagues and friends is due to the extraordinary efforts of the core group of committed STS scholars who form this year's Program Committee. There are no words that can fully express our gratitude to Heather Paxson in particular. With only a gentle arm-twisting Heather agreed to take on the role of Program Chair, bringing her exemplary mix of creative direction and conscientious attention to the seemingly endless tapestry of interconnected detail that comprises a conference. Working with Heather have been our indomitable Program Officer/Chief Negotiator Wes Shrum and 4S Administrator/Web Maestro Steve Coffee, Volunteer Coordinator Rick Duque, Travel Grant administrator and 4S Treasurer Paige Miller, Mentoring Program coordinator Matthew Harsh, and Exhibits and Prizes coordinator Wenda Bauchspies, along with all of the members of the Program Committee (thanked in more detail in Heather's message to follow). But most importantly none of this could have happened without all of you – this is your conference, and I look forward to joining you in the four full days ahead of us.

Lucy Suchman, 4S President

## From the Program Chair

Welcome to Boston for the 42nd meeting of the Society for Social Studies of Science! Since January 1, the submission deadline for open session proposals, the task of piecing together this admittedly jam-packed program has been immense — and immensely collaborative and collective.

The core of any academic conference is its line-up of paper presentations. This year, organizers who proposed 119 open panels reviewed and ranked 1,143 individually submitted papers, which eventually coalesced into nearly 200 sessions. I'm grateful to those organizers (named at the end of this program) for their creative and generative ideas, judicious reviewing, and patience as we all sorted things out. Meanwhile, the Boston-based Program Committee (named below) accepted 82 closed session proposals and reviewed additional paper abstracts, gathering accepted papers into topically coherent sessions. Sara Wylie chaired a committee to review proposals and prepare for Thursday's Making and Doing session. My profuse thanks to everyone who helped craft the more than 300 panel sessions and workshops — spanning the breadth of STS scholarship — to be held over our four days together.

Argentinian anthropologist and science studies scholar Hebe Vessuri will deliver the 2017 Bernal Lecture, "Of Geographies, Imagined Kinship, Denials, and Utopias: Science and Scientists in the 'Rest of the Rest of the World,'" on Thursday afternoon. The Awards Plenary that follows will additionally recognize Judy Wajcman, winner of this year's Fleck Prize, and Adia Benton, winner of the Carson Prize, along with Kellie Owens for the Mullins Award, Stephen Collier and Andrew Lakoff for the Edge Prize, the Editors of the four *Handbooks of Science and Technology Studies* for the Infrastructure Award, and Andrew Webster for the Mentoring Award. Author Meets Critics panels discussing the Fleck and Carson prizes will be held earlier in the day. Thanks go to Kim Fortun, Abby Kinchy and Daniel Breslau, prize committee chairs for the Bernal, Fleck, and Carson prizes respectively, for organizing these sessions. Three awards for excellence in Making and Doing will be presented at the close of Friday's plenary.

Wednesday's Presidential Plenary, "Interrogating 'The Threat,'" will be joined on Friday by a committee-organized Plenary, moderated by incoming President Kim Fortun, addressing the challenges and possibilities of an Engaged STS. Program Committee members have in addition convened two open-format discussion sessions: on Reproductive Justice and Injustice (chaired by Banu Subramaniam on Friday) and on Data Ethics (chaired by Mary Gray on Saturday). We hope these interactive sessions will spark questions, conversations, and collaborations that will carry forward to future meetings and actions.

In a similar vein, this year we're elaborating the informal gatherings that have cropped up at previous meetings by introducing a series of Lunchtime Workshops, some staged as formal panel discussions, others as hands-on workshops led by experts, and still others as

venues for gathering around a topic of shared interest. Check them out! Two workshops are paired with guided tours: a visit to an exhibit at the Harvard Art Museums in Cambridge, and an urban foraging walk. Many thanks to the volunteer organizers of these interactive events!

My deepest gratitude is to those with whom I've had the real pleasure to work on a daily basis these past months: Steve Coffee, the 4S Administrator who manages the website, tracks registration, produced this program, and does much more, all with unflagging good humor; and Wes Shrum, our stalwart Program Officer who negotiates with hotels and sets in place the intricate infrastructure to enable our meetings, and is irreplaceable. I could not have managed without Clare Kim, PhD student in MIT's Program in History; Anthropology; and Science, Technology & Society, who helped me navigate the idiosyncratic online system and overcome mountains of data entry, and who generated scores of formal invitation letters for our international travelers.

We are thrilled to welcome participants arriving from all over the world — with representation from 49 countries! — aided by the Ad Hoc Committee in Support of non-US Travelers to 4S 2017. But not everyone who might otherwise wish to will be coming. Some have decided to sit out this meeting in solidarity with those who might unconscionably be restricted from traveling to the United States, while others are unable to travel owing to life crises, both joyful (new jobs, new babies) and trying (illness, insufficient funding). As capacious as our community will feel over the coming days, I'm mindful that it's greater still.

When I accepted Lucy Suchman's invitation to take on the role of Program Chair I had little idea, I confess, of what was in store. Now that I do, I'm even more grateful for the opportunity. Far from experiencing the "thankless job" of which some colleagues warned, I've come away with a deep sense of the 4S community as unfailingly collegial, intellectually creative, politically engaged, and truly international. I hope you'll relish this opportunity to come together in Boston, even as we look forward to doing it all again next year in Sidney, Australia!

Heather Paxson

2017 Program Chair

## STS (In)Sensibilities

If sensibility is the ability to grasp and to respond, how might we articulate the (in)sensibilities of contemporary technoscience? How, similarly, can we reflect on the extent and limits of our own sensibilities as STS scholars, teachers, and activists? The conference theme invites an open reading and exploration of how the world is made differently sense-able through multiple discourses and practices of knowledge-making, as well as that which evades the sensoria of technoscience and STS. Our aim is that the sense of 'sense' be read broadly, from mediating technologies of perception and apprehension to the discursive and material practices that render worlds familiar and strange, real and imagined, actual and possible, politically (in)sensitive and ethically sensible.

## 2017 Program Committee

Lucy Suchman, Lancaster University (President)

Heather Paxson, MIT (Program Chair)

Daniel Breslau, Virginia Tech (Council Member)

Mary L Gray, Indiana University, Microsoft Research New England

Claudia Castañeda, Emerson College

Tarleton Gillespie, Cornell, Microsoft Research New England

Nick Seaver, Tufts University

Banu Subramaniam, University of Massachusetts-Amherst

TL Taylor, MIT

Clare Kim, MIT



## 4S Governance

### *Officers*

President: Lucy Suchman, Lancaster University

Secretary: Stephen Zehr, University of Southern Indiana

Treasurer: Paige Miller, University of Wisconsin, River Falls

Program Officer: Wesley Shrum, Louisiana State University

### *Council*

#### **Term expires fall, 2017**

Tania Pérez Bustos, Universidad Nacional de Colombia

Shobita Parthasarathy, University of Michigan

Daniel Breslau, Virginia Tech

#### **Term expires fall, 2018**

Sara Wylie, Northeastern University

Gwen Ottinger, Drexel University

Oscar Javier Maldonado Castañeda, Linköping University

#### **Term expires fall 2019**

Steven Jackson, Cornell University

Gloria Baigorrotegui, Instituto de Estudios Avanzados IDEA-USACH

Anita Say Chan, University of Illinois

### **Student Representatives**

John Lunsford, Cornell University

Erika Amethyst Szymanski, University of Otago

Margarita Rayzberg, Northwestern University

## Practicalities

### *Registration / Check-in*

Wednesday: 9:00 am to 8:00 pm

Thursday: 8:00 am to 6:30 pm

Friday: 8:00 am to 7:30 pm

Saturday: 8:00 am to 6:00 pm

### *Meeting Areas*

All 4S meeting rooms are on the 2<sup>nd</sup>, 3<sup>rd</sup>, and 5<sup>th</sup> floors. Please see the maps at the end of this booklet.

### *Internet Access*

Free internet access is assured in the main common areas of the hotel, with more limited access available in meeting rooms.

### *AV-Equipment*

Each session room is equipped with an LCD projector, only. Laptop computers and connecting cables, if necessary, must be provided by participants (session organizers/chairs are responsible for setting up and checking the projector; it's recommended that all PowerPoint presentations be run from the same computer to ensure smooth transitions — again, please arrive early, with your file on a thumbdrive).

Owing to the hotel's limited wifi, you should **not** plan to live-stream video as part of your presentation; if you'd like to show video clips please download and embed them in a slide show, or bring the files on a laptop or thumbdrive.

## Area restaurant guide (a non-exhaustive list)

### *Located in the adjacent Prudential Center*

(listed, roughly, from casual to elegant)

Au Bon Pan  
Anna's Taqueria  
Num Pang Kitchen (sandwiches, rice bowls)  
Crazy Dough's Pizza (by the slice)  
5 Napkin Burger  
California Pizza Kitchen  
Cheesecake Factory  
Wagamama (noodles)  
Sweetgreen (largely vegetarian)  
Eataly (including the restaurants Il Pesce and Terra)  
Haru (sushi)  
Top of the Hub  
L'Espalier (French)

### *Back Bay Food truck locations*

(<https://www.boston.gov/departments/small-business-development/city-boston-food-trucks-schedule#back-bay>)

Belvidere, between Dalton St & Huntington Ave  
Clarendon, by Trinity Church  
Stewart St at Trinity Place  
Boston Public Library, 700 Boylston St

### *Located a short walk from the hotel*

#### *For a quick meal*

Café Jaffa (Mediterranean) 48 Gloucester St	Flour Bakery 30 Dalton St
Cha Cha Cha Taqueria 145 Dartmouth St	Gre. Co (Greek) 225 Newbury St
Dosa Factory 316 Newbury St	Luke's Lobster Shack 75 Exeter St
	Pho Basil 177 Massachusetts Ave A

Santouka Back Bay (ramen)  
66 Hereford St

Sweetgreen (largely vegetarian)  
659 Boylston St

Shake Shack  
234 Newbury St

***For a more leisurely meal***

Abe & Louie's (steakhouse)  
793 Boylston St

Lucca Back Bay (Italian)  
116 Huntington Ave

Atlantic Fish Company  
761 Boylston St

Mistral (French)  
223 Columbus Ave

Brasserie JO  
120 Huntington

Piattini (Italian small plate)  
226 Newbury St

Casa Romero (Mexican)  
30 Gloucester St

Post 390  
406 Stuart St

Dig Inn (American)  
557 Boylston St

Saltie Girl (Mediterranean seafood)  
281 Dartmouth St

Douzo Sushi  
131 Dartmouth St

Select Oyster Bar  
50 Gloucester St

Fogo de Chão Brazilian Steakhouse  
200 Dartmouth St

Sonsie  
327 Newbury St

Jasper White's Summer Shack (lobster and  
seafood)  
50 Dalton St

Sorellina (Mediterranean)  
1 Huntington Ave

Legal Sea Foods  
100 Huntington Ave

The Capital Grille  
900 Boylston St

The Salty Pig  
130 Dartmouth St

***Bar-Restaurants***

Boston Burger Company  
1100 Boylston St, Boston, MA 02215

Dillon's  
955 Boylston St

Clery's  
113 Dartmouth St

The Pour House  
907 Boylston S

## Exhibitors and Sponsors

### *Supporters*



In the Ballroom Foyer, please find the following:

### *Publishers Tables*

**Duke University Press**

**MIT Press**

**The Scholar's Choice**

**Harvard University Press**

**Palgrave Macmillan**

**Taylor & Francis Group**

**University of Minnesota Press**

**University of Pittsburgh Press**

### *Meet and discuss*

#### **Union of Concerned Scientists**

10am-12pm and 1-3pm on Thursday and Friday

#### **National Science Foundation**

Program Officers will be there from 10am-12pm and 1-3pm on Thursday and Friday for NSF Speed Dating: PI's have 15 minutes to pitch their idea or to ask questions of a NSF Program Officer.

## Presidential Plenary

Wednesday, 5:45 to 7:15 pm, Floor 2 - Grand Ballroom

### *Interrogating ‘the Threat’*

Our opening plenary will stage a critical conversation regarding what we should be concerned about, as both STS scholars and members of wider publics. How can we move through the discourses of fear that dominate the framing of contemporary ‘threats’ and re-articulate matters of concern in ways informed by the sensibilities of science and technology studies, as well as by our awareness of their limits? The panel will consider these questions across domains of settler colonialism and the (post)colonial, (in)security and (anti)militarism, bio and health politics, race/difference and (im)migration, and multi-species environments, as part of thinking and acting through the dominant narratives into new possibilities. The session will be organized as a roundtable, affording time for discussion both among the panelists and with the audience.

### Steven Epstein



Steven Epstein is a professor of Sociology and John C. Shaffer Professor in the Humanities at Northwestern University. His work examines the contested production of expert and especially biomedical knowledge, with an emphasis on the interplay of social movements, experts, and health institutions, and with a focus on the politics of sexuality, gender, and race. He is the author of *Impure Science: AIDS, Activism, and the Politics of Knowledge*, which won 4S’s Rachel Carson Prize, and *Inclusion: The Politics of Difference in Medical Research*, which won 4S’s Fleck Prize. His book in progress examines the proliferation of the modern concept

of sexual health

## Joseph Masco



Joseph Masco teaches science studies and anthropology at the University of Chicago. He is the author of two books: *The Nuclear Borderlands: The Manhattan Project in Post-Cold War New Mexico* which won the 2008 Rachel Carson Prize from the 4S, and more recently, *The Theater of Operations: National Security Affect from the Cold War to the War on Terror*. His current work focuses on conceptualizations of existential danger, attending to the intersections of technological revolution, slow and fast violence, and emerging planetary modes of governance. He has recent articles in *Environmental Philosophy*, *Current Anthropology*, and *History of the Present*.

## Amade M'charek



Amade M'charek is Professor of Anthropology of Science at the department of Anthropology, University of Amsterdam. Her research interests are in biomedical practices and human biological and genetic variation in relation to race. Her laboratory ethnography of human genetic diversity has been published with Cambridge University Press (2005). M'charek is the principle investigator of the ERC-consolidator RaceFaceID project, on face-making and race-making in forensic identification, and finalizing two other projects: Dutchness in Genes and Genealogy, and Sexuality & Diversity in the Making. She is the convenor of the seminar series Ir/relevance of Race in Science and Society, a series that has

been running since January 2010.

## Kim TallBear



Kim TallBear is Associate Professor, Faculty of Native Studies, University of Alberta, and Canada Research Chair in Indigenous Peoples, Technoscience & Environment. She is building a research hub in Indigenous Science, Technology, and Society. Follow them at [www.IndigenousSTS.com](http://www.IndigenousSTS.com) and [@indigenous\\_sts](https://twitter.com/indigenous_sts). TallBear is author of *Native American DNA: Tribal Belonging and the False Promise of Genetic Science* (University of Minnesota Press, 2013). Her Indigenous STS work recently turned to also address decolonial and Indigenous sexualities. She founded a University of Alberta arts-based research lab and co-produces the sexy storytelling show, *Tipi Confessions*, sparked by the popular Austin, Texas show, *Bedpost Confessions*. Building on lessons learned with geneticists about how race categories get settled, TallBear is working on a book that interrogates settler-colonial commitments to settlement in place, within disciplines, and within monogamous, state-sanctioned marriage. She is a citizen of the Sisseton-Wahpeton Oyate in South Dakota. She tweets [@KimTallBear](https://twitter.com/KimTallBear) and [@CriticalPoly](https://twitter.com/CriticalPoly).

## Lucy Suchman



Lucy Suchman is President of the Society for Social Studies of Science, and Professor of Anthropology of Science and Technology at Lancaster University in the UK. Her research interests within the field of feminist science and technology studies are focused on imaginaries and material practices of technology design, particularly developments at the interface of bodies and machines. Her current research extends a longstanding critical engagement with the field of human-computer interaction to contemporary warfighting, including the figurations that inform immersive simulations, and problems of "situational awareness" in remotely-controlled weapon systems. She is concerned with the question of

whose bodies are incorporated into these systems, how and with what consequences for social justice and the possibility for a less violent world.



## Awards Plenary

Thursday, 6:00 to 7:30 pm, Floor 2 – Constitution

### *John Desmond Bernal Prize 2017: Hebe Vessuri*



The Society for Social Studies of Science annually awards its Bernal Prize to an individual judged to have made a distinguished contribution to the field. Past winners have included many of the founders and prominent scholars who have devoted their careers to the understanding of the social dimensions of science and technology. The 2017 Bernal Prize winner is Hebe Vessuri, an Argentinian anthropologist whose contributions to the field of Science and Technology Studies have been methodological, empirical, conceptual, and institutional. Vessuri is author and editor of 31 books, and hundreds of articles, book chapters and government reports, written in English, Spanish, French, and Portuguese. A pioneer in the anthropology of science with fieldwork experience

throughout Latin America, Vessuri has demonstrated how ethnographic studies of the sciences can inform both social theory and policy. Her conceptions of national styles of science, peripheral science, and of the cultural role of science in less-developed countries have been particularly influential in Latin America, helping define STS in the region. Her analyses of the role of science in diverse societies speak powerfully to issues at the heart of contemporary politics around the world.

Vessuri has also made important institutional contributions, throughout Latin America and at the international level. She helped found STS graduate programs in Venezuela (in 1978) and Brazil (1987), and was a founding member of the Latin American Association of Social Studies of Science and Technology (ESOCITE). She was the chairwoman of the Latin America Council of Social Science (CLACSO's) Commission of Science, Technology and Development (1981-1985), and was a member of the Governing Council of the United Nations University and president of the Council in 2009. Vessuri has also been a member of the Commission for Ethics in Science at UNESCO (2008-2015), and Vice-President of the Scientific Committee of UNESCO Forum for Higher Education, Research and Management (2003-2010). Vessuri was Vice-President of the International Union of Anthropological and Ethnological Sciences (IUAES) (1978-1983), and also held positions on the International Risk Governance Council (IRGC) (2004-2006), the International Council for Science (ICSU) (2005-2009), and the International Program for Human Development (IHDP, run by the International Council for Science (ICSU) and the International Social Science Council (ISSC)) (2004-2006).

## Ludwik Fleck Prize 2017: Judy Wajcman

### *Pressed for Time: The Acceleration of Life in Digital Capitalism* (Chicago, 2015)

The Fleck Prize recognizes an outstanding book in the area of science and technology

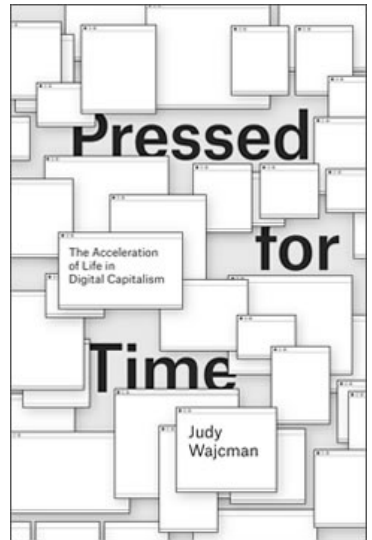


studies. *Pressed for Time* addresses the construction of time, challenging commonplace myths about work, leisure, and digital technologies. Against the technological determinism implied in the idea that smartphones and email are speeding up the pace of life and reducing leisure time, Wajcman carefully examines the mutual shaping of temporal rhythms and digital technologies that underlie everyday lives in global societies. The committee was deeply impressed with the way that Wajcman built her argument, seamlessly

blending theories of modernity and social acceleration with much empirical research on issues of time-use, housework, and family life.

The book is an exemplary model of research that considers the social shaping of technologies, setting a new standard for research that will enhance our conceptual understanding of the complex relationship of time and technology in contemporary life. Wajcman insists on attention to diversity and intersectionality, showing how gender, class, and household composition shape the experience of time pressure. She shows us the continuities between the pre-digital and digital era, and points to possibilities for crafting more satisfying lives of work and intimacy—particularly by opening up technological design to a wider range of social groups and interests.

*Pressed for Time* is written in engaging, accessible prose, and addresses the subject in ways that help the reader to make sense of their own experiences and struggles to manage their time. In particular, the committee resonated with Wajcman's depiction of the erosion of the shared sociotemporal order, which creates coordination problems that many of us seek to solve through texting and other smartphone apps. *Pressed for Time* is an admirable work of STS scholarship and a must-read for everyone inhabiting our fragmented temporal landscape. It is ultimately inspiring – hinting at the agency and inventiveness of readers to shape their own timescapes.



## *Rachel Carson Prize 2017: Adia Benton*

### *HIV Exceptionalism: Development Through Disease in Sierra Leone*



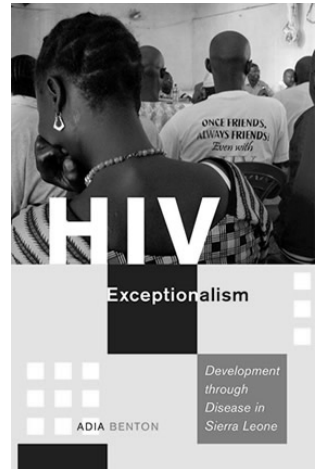
The 2017 Rachel Carson Prize goes to Adia Benton, for (University of Minnesota Press, 2015). The Award Committee reviewed 68 nominated works, to identify the strongest book in terms of its relevance to Science and Technology Studies, its overall scholarly quality, and its social or political relevance. We found *HIV Exceptionalism* to be exemplary on all three of these criteria.

Benton's work draws on tools of ethnography, medical anthropology, and STS to connect global health policy to the shaping of subjectivities and practices on the ground in Sierra Leone. Critics of health policy use the term "HIV exceptionalism" to describe the charismatic

status of HIV/AIDS, implying a misappropriation of resources, mismatched with the actual distribution of disease and suffering. The term certainly applies in Sierra Leone, with its array of high-profile programs funded by international organizations and governments, despite its low HIV prevalence.

But Benton's aim is not primarily to criticize the misappropriation of resources the wealthy countries devote to health problems of the developing world. Through her perceptive and fine-grained ethnography, we find that HIV exceptionalism is not simply a misallocation of resources. It is also a symbolic misallocation. Benton shows vividly how flows of resources through the policy of HIV exceptionalism shape the ways that state agencies, caregivers, local NGOs, patients and their kin do HIV/AIDS. Through the exceptionalist structuring of services, those diagnosed with HIV perform rituals of disclosure, suffering, and responsibility to self and nation. While the book stands as a sharp critique of the coercive features of exceptionalism, Benton also shows us how Sierra Leoneans actively appropriate symbolic and material resources for their own tactics in the pursuit of dignity, recognition, and survival.

*HIV Exceptionalism* provides a powerful way of understanding the effects of global health policy on the lives of those who are its nominal beneficiaries. As a political intervention, it will inform struggles for a health policy that better reflects the desires and priorities of those beneficiaries.



***David Edge Prize 2017: Stephen J. Collier and Andrew Lakoff***  
***“Vital Systems Security: Reflexive Biopolitics and the Government of Emergency,” from***  
***Theory, Culture & Society*, vol. 32, no. 2 (2015), pp. 19-51.**



In a piece that seamlessly weaves deep theoretical engagement with rich historical analysis, Collier and Lakoff complicate our understanding of biopolitics as an organizing logic of modernist governance. They demonstrate that the techniques of population management that emerged in the 19th century, such as public health and urban planning, and which have formed the basis of social scientists’ theories of biopolitics, represent but one approach taken by states to securing the health and well-being of their national populations. Alongside these techniques of “population security,” Collier and Lakoff argue, the 20th century witnessed the emergence of “vital systems security,” which takes as its object the distributed, sociotechnical systems on which human populations have come to depend and aims at assessing and avoiding unpredictable, episodic threats to these vital infrastructures.

By demonstrating the distinctiveness of vital systems security and its significance in contemporary governance, Collier and Lakoff do more than extend theories of biopolitics-- though that in itself would make a significant contribution to the field. They also engage theories of the risk society, showing how the techniques of vital systems security address potentially catastrophic events that exceed traditional forms of risk management. In addition, while adopting a rigorously neutral stance, the authors open up new possibilities for assessing techniques of contemporary governance, especially in times of disaster acute and chronic. Arguing that the notion of the “state of exception” has been overgeneralized, thereby obfuscating whole realms of expertise and governance, they ask us as researchers to consider instead the ways vital systems security thinking shapes how states exercise power in their normal, and normalized, management of emergencies.

## *Nicholas C. Mullins 2017: Kellie Owens*

### ***"Too Much of A Good Thing?: American childbirth, intentional ignorance, and the boundaries of responsible knowledge"***



For the 2017 Mullins award the committee received a total of 18 papers. In terms of gender distribution, 10 out of the 18 papers were written by women PhD students. In relation to geographical diversity, 10 out of the 18 papers were from students based in the US, 3 were from the UK, 2 from Canada, 2 from India and 1 from South Korea.

The committee selected four criteria to evaluate the submitted pieces: contribution to the STS field, depth of research, writing quality and ethical/political relevance of the piece. Each aspect was scored from 1 to 5, with 5 the highest value. In addition, each paper was evaluated by three reviewers. After a first round of evaluation, we selected the three papers with the

highest score and evaluated them again. The Committee wants to highlight the high quality of the contributions and the complexity of making a decision.

After reviewing the material the committee unanimously selected the paper entitled 'Too Much of A Good Thing?: American childbirth, intentional ignorance, and the boundaries of responsible knowledge' as the winner of the 2017 Mullins Award. The author of this piece is Kellie Owens, a student in the Sociology PhD Program at Northwestern University.

Drawing on the work of different STS scholars about risk and overtreatment, Owens provides an insightful analysis of risk in the case of fetal heart rate monitoring in childbirth in the United States. Childbirth provides an interesting case to understand the tensions between knowledge and ignorance in the management of risk in healthcare. She shows how, in this case, two models of health risk operate simultaneously: a model that values frequent intervention and another that aims to mitigate risk by refusing medical surveillance. This paper illustrates how health providers frame 'intentional non-knowing' as a moral imperative to reduce medical risk. Owens' paper displays a delicate and integrated balance between a deep knowledge of STS literature, empirical analysis and theoretical inventiveness that makes it an outstanding academic contribution.

## *4S Mentoring Award 2017: Andrew Webster*



Andrew Webster has trained generations of scholars in the UK and abroad, has provided helpful insights for students and early career scholars, and has been a role model for them.

For the past 30 years, Professor Webster's mentoring has not only focused on supporting individual students but also creating institutional environments for them. He founded the Science and Technology Studies Unit (SATSU) at York University, where he has also been director of the Sociology Department as well as Dean of Social Sciences. Thanks to his work, the Science and Technology Studies Unit became a European Marie Curie training site for doctoral students from across Europe and organized a number of PhD summer schools. Additionally, he has directed national

research programmes for the ESRC and MRC and he recently co-founded the UK STS-network Association for Studies in Innovation, Science and Technology in the UK, AsSIST-UK. And, as many of his mentees have pointed out, he has always been just "Andrew".

Along with a sense of humor and a work ethic that many have acknowledged, Professor Webster has left a mark on his students by given them the most precious thing scholars have: his time. As stated in letters of support, "Many (students) have experiences with Andrew participating in an event, staying for the entire time, and helpfully commenting on everyone's work. In doing so, Andrew has an astonishing ability to theorize upon everyone's contributions and bring them to a higher level, finding commonalities as well as fascinating novel questions on the way. At the end of a meeting, Andrew is able to sum up the meeting in a way that makes everybody feel that they have contributed something valuable."

Few things can be more important for mentoring than making students feel that they have made a contribution, and that their contributions can open relevant new paths in the field. By doing so, Professor Webster allowed them to be independent, without himself feeling threatened by that independence.

At the same time, Professor Webster's mentoring has gone beyond the supervision of thesis and graduate students at York. From opening up his own home for annual BBQs with students and friends to co-authoring an impressive number of papers and book chapters, he has been able to make mentees to feel welcomed, respected, and valued. He also has had active roles in the Dutch Science and Technology PhD schools (WTMC) and the Postgraduate Forum on Genetics and Society (PFGS), helping to forge long-lasting relations with students in other countries, such as Sweden and Australia.

## *STS Infrastructure Award 2017: Editors of the Handbooks of Science and Technology Studies*



1st edition (1977, Sage) –Ina Spiegel-Rösing and Derek de Solla Price

2nd edition (1995, Sage) –Sheila Jasanoff, Gerald E. Markle, James C. Petersen, and Trevor Pinch

3rd edition (2008, The MIT Press) –Edward J. Hackett, Olga Amsterdamska, Michael Lynch, and Judy Wajcman

4th edition (2017, The MIT Press) –Ulrike Felt, Rayvon Fouché, Clark A. Miller, and Laurel Smith-Doerr

Each Handbook is the culmination of many years of careful planning and work by the editors – drafting a call, soliciting and selecting contributions, providing feedback, and co-ordinating a complex network of authors, texts, reviewers, publishers, guidelines, advisory committee members, and 4S Presidents and Council members. Each reflects the concerns, methods and insights of the time of its own production. But each volume builds on what has gone before, and the volumes speak to each other in fascinating ways. Reading the chapters, and examining the contributors, their affiliations, chapter titles, indices and bibliographies of each individual Handbook reveals the emergence and history of STS. This series of four Handbooks brings together an array of research syntheses and at the same time maps the intellectual and institutional geography of our field, as well as its implications for neighbouring fields.

The Handbooks are an important element of the STS infrastructure, produced by many, and used and read by countless students and scholars around the world. Both the preparation and the completed works contribute to the creation and maintenance of an international community of scholars and of a body of work that reflects past achievements and points to emerging issues. The Handbooks provide newcomers to the field with a comprehensive overview of important issues, concepts and theories with which to understand the complex relationships between science, technology, and society. The Handbooks are infrastructural work in the sense of providing an intellectual scaffold for further work and reflection.

# Plenary – Opportunities and Challenges for an Engaged STS

Friday, September 1, 5:45 to 7:15 pm, Floor 2 – Constitution

This plenary session aims to showcase a range of initiatives and forms that an “engaged STS” can and might yet take. Panelists will share insights from projects in which they’ve been involved to lay ground for a moderated, interactive discussion of the possibilities and responsibilities of public engagement, political activism and advocacy, policy-making, pedagogy, transdisciplinary collaboration, and other forms of STS scholarship and engagement.

## *Ruha Benjamin*



Ruha Benjamin is Assistant Professor in the Department of African American Studies at Princeton University, where she studies the social dimensions of science, medicine, and technology, race-ethnicity and health, knowledge and biopolitics. The author of *People’s Science: Bodies and rights on the Stem Cell Frontier*, Benjamin has two books under contract: *Race After Technology* (Polity) examines the relationship between machine bias and systemic racism by analyzing cases of “discriminatory design” and offering tools for a more socially conscious approach to tech development. *Captivating Technology: Race, Technoscience, and the Carceral Imagination* (Duke) is an edited volume that brings

together scholars at the nexus of critical race studies and STS to explore the interplay between innovation and containment.

## *Hsin-Hsing Chen*



Hsin-Hsing Chen is a professor at the Graduate Institute for Social Transformation Studies of Shih-Hsin University. He got his Ph.D. in STS from Rensselaer Polytechnic Institute in 1999. He has participated in the Taiwan STS Society, the Chinese-language journal *Taiwanese Journal for Studies of Science, Technology and Medicine* and *Taiwan: A Radical Quarterly in Social Studies*, and the English-language *East Asia Science, Technology and Society*. Aside from STS, he also regularly teaches labor studies, cultural activism, and media literacy. His main research interests include labor process, appropriate technology, and scientific causation in law. The



latter interest arose mainly from his participation in the collective occupational-disease lawsuit of former Taiwanese workers against the US-owned Radio Corporation of America (RCA). His English-language work has been published in *Science as Culture*, *Inter-Asia Cultural Studies*, *East Asia Science and Technology Studies*, and in the 2014 *Routledge Handbook for Science, Technology and Society*

### ***Hugh Gusterson (George Washington University, USA)***



Hugh Gusterson is Professor of Anthropology and International Affairs at George Washington University. Gusterson is the author of *Nuclear Rites* (University of California Press, 1996), *People of the Bomb* (University of Minnesota Press, 2004), and *Drone* (MIT Press, 2016). He is co-editor of *Cultures of Insecurity* (University of Minnesota Press, 1999), *The Insecure American* (University of California Press, 2009), and *Why America's Top Pundits Are Wrong* (University of California Press, 2005). He has a regular column for the *Bulletin of Atomic Scientists* and for the new public anthropology website, *Sapiens*. He has also published in the *Washington Post*, the *Los Angeles Times*, the *Boston Globe*, the *San Francisco Chronicle*, the *Philadelphia Inquirer*, *Science*, *Nature*, *New Scientist*, *American Scientist*, and *The Sciences*. From 2009-2012 Gusterson served on the Executive Board of the American Anthropological Association, in which capacity he co-chaired the final phase of approval of the Association's new ethics code. He is President of the American Ethnological Society, and was a member of the American Anthropological Association's Task Force on Engagement with Israel/Palestine.

## Sheila Jasanoff



Sheila Jasanoff is Pforzheimer Professor of Science and Technology Studies at the Harvard Kennedy School. A pioneer in her field, she has authored more than 120 articles and chapters and is author or editor of more than 15 books, including *The Fifth Branch*, *Science at the Bar*, *Designs on Nature*, and *The Ethics of Invention*. Her work explores the role of science and technology in the law, politics, and policy of modern democracies. She founded and directs the STS Program at Harvard; previously, she was founding chair of the STS Department at Cornell. She has held distinguished visiting

appointments at leading universities in Europe, Asia, Australia, and the US. Jasanoff served on the AAAS Board of Directors and as President of the Society for Social Studies of Science. She is a member of the Council on Foreign Relations. Her honors include a Guggenheim Fellowship, the University of Ghent Sarton Chair, an Ehrenkreuz from the Government of Austria, and membership in the Royal Danish Academy. She holds AB, JD, and PhD degrees from Harvard, and an honorary doctorate from the University of Twente.

## Nick Shapiro



Nicholas Shapiro is the Matter, Materials, and Culture Fellow at the Chemical Heritage Foundation and the Open Air Fellow at Public Lab. His work revolves around the multiple ways we attempt and fail to detoxify our collective atmospheres. His essay on chemical phenomenology and dissent received the 2016 Cultural Horizons prize from the Society for Cultural Anthropology. He also performs concept work extra-textually, through the development of low-cost scientific instruments, remediation devices, and large-scale alternative future art projects. In November, Shapiro initiated the conversation that led to the creation of the Environmental

Data and Governance Initiative (EDGI), where he serves as co-chair of the steering committee.

### *Tania Pérez-Bustos*



Tania Pérez-Bustos is an Associate Professor in the School of Gender Studies, Universidad Nacional de Colombia (UNAL), Bogotá, Colombia. She was editor in Chief of *Universitas Humanística* (Journal established in 1975 and highly recognized in the region in the humanities). Tania has been part of the boards of the Society for the Social Studies of Science (4S) and the Asociación Latinoamericana de Estudios Sociales de la Ciencia y la Tecnología (ESOCITE). As a Feminist STS scholar Tania works and publishes, both in Spanish and English, on knowledge dialogues and knowledge making practices that interrelate technoscientific knowledge with

popular knowledge of different sorts. She is also interested in processes and practices of feminization of knowledge. Tania is currently doing research on various textile handmade processes as technologies of knowing and caring.

### *Kim Fortun*



Kim Fortun is a Professor and Department Chair in the University of California Irvine's Department of Anthropology. Her research and teaching focus on environmental risk and disaster, on the environmental health sciences, and on experimental ethnographic methods and research design. Fortun is working on a book titled *Late Industrialism: Making Environmental Sense*, on *The Asthma Files*, a collaborative project to understand how air pollution and environmental public health are dealt with in different contexts, and on design of the Platform for Experimental and Collaborative Ethnography (PECE), an open source/access digital platform

for anthropological and historical research. Fortun also helps organize the Disaster-STS Research Network, and co-edits a book series for University of Pennsylvania Press titled *Critical Studies in Risk and Disaster*, designed to connect academic research to public problems and policy, reaching audiences in different regions of the world. September 2017 through August 2019, Fortun will serve as 4S President.

# Making and Doing Presentations

*Thursday, 1-4pm, Grand Ballroom*

The STS Making and Doing Program aims at encouraging 4S members to share scholarly practices of participation, engagement, and intervention in their fields of study. It highlights scholarly practices for producing and expressing STS knowledge and expertise that extend beyond the academic paper or book. By increasing the extent to which 4S members learn from one another about practices they have developed and enacted, the initiative seeks to improve the effectiveness and influence of STS scholarship beyond the field and/or to expand the modes of STS knowledge production.

To encourage recognition of Making and Doing work in STS, three prizes will be awarded to 4S members who have demonstrated scholarly excellence in formulating, enacting, and sharing theoretically-informed practices of participation, engagement, and intervention in their fields of study. Awards will be presented following the Friday night plenary. Award decisions will be made by the Making and Doing Committee with input from viewers of the Making and Doing Exhibit. Please provide your feedback on projects that, in your opinion, should be short listed for the awards as you leave the exhibit.

## *Making and Doing Committee*

Sara Wylie, Northeastern University, USA (Chair)

Sulfikar Amir, Nanyang Technological University, Singapore (Council member)

Gary Downey, Virginia Tech, USA

Catherine D'Ignazio, Emerson College, USA

Teun Zuiderent-Jerak, Linköping University, Sweden

Max Liboiron, Memorial University of Newfoundland, Canada

Nadya Peek, MIT, USA

Laura Watts, IT University Copenhagen, Denmark

Anita Say Chan, University of Illinois, USA (Council member)

John Lunsford, Cornell (6S Representative)

## 1. STS Olfactorium

*Morana Alac, Evelyn Walker, UCSD*



How do we engage places of scientific work when they are articulated through olfactory features of experience? We deal with the issue by stepping off the printed page. We thus exhibit a multisensory installation that imaginatively combines historical records on Eleanor Gamble's first olfactorium, with visual, odorous, tactile and audio fragments of laboratory life collected during our study.

## 2. The Trial Balloon: buoyancy, embodied media, and patchy planetarity

*Matthew Battles, metaLAB at Harvard/Berkman Center*



The Trial Balloon is a collapsible fabric structure, inflated with a small industrial fan and fitted with a short-throw projector. Within, we contemplate a drifting cyclorama of meso-scale aerial imagery, a bird's-eye *dérive* comprised of natural territories, industrial landscapes, and the feral in-between. Built to view surfaces of the earth not from above, but from below, Trial Balloon enables the transit of contesting, patchy, interwoven territories, aerial vistas and Gaian visages.

## 3. Rethinking Citizen Science through doing Citizen Science

*Brian Callahan, James Dylan Rees, Rensselaer Polytechnic Institute*

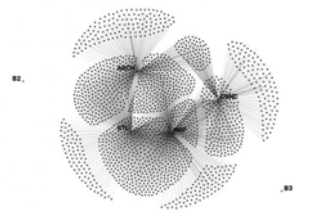


Citizen Science is a topic of growing interest among both STEM researchers and STS scholars, the latter of whom have offered critiques of the term “citizen science” as well as its practice. We will create a small participatory citizen science project, devising a methodological bridge between science/engineering and STS, focusing on how attribution is to be understood in citizen science and how

we might begin to think about new ways of attribution in academic science as well.

## 4. Tracing Design Ecologies

*Daniel Cardoso Llach, Carnegie Mellon University*



What does the phenomenon of design look like from the perspective of data? This exhibit showcases a series of data visualizations created by defining, collecting and visualizing digital traces of processes of socio-technical design. Here, the concept of ‘design ecology’ is proposed as a device to productively de-center the human subject in our accounts of design production in order to make visible, and engage with,

the collective and interdependent character of socio-digital design practices. From the different visualizations of these digital traces, distinct images of design emerge.

## 5. Snowden Surveillance Archive

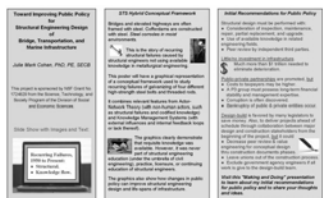
Andrew Clement, *University of Toronto*



This exhibit presents the Snowden Surveillance Archive with the aim of facilitating an informed public debate about the nature and significance of the U.S. National Security Agency's (NSA) mass surveillance. The Snowden Archive is a searchable collection of all the documents that Edward Snowden disclosed to journalists in 2013 that news media have subsequently published.

## 6. Toward Improving Public Policy for Structural Engineering Design of Bridge, Transport & Marine Infrastructure

Julie Mark Cohen



A new STS hybrid conceptual framework acknowledges the presence of many different types of internal and external forces that influence structural engineering practice in which decades of design decisions have been made without using available, requisite knowledge in related engineering fields. From this, recurring, costly infrastructure failures are documented. To demonstrate

this framework, a pilot study was conducted on one type of structural failure. The study offers the platform to develop initial recommendations (1) to improve SE education, practice, licensure, and continuing education, and (2) for forward-thinking public policy regarding infrastructure by improving how structural design decisions are made.

## 7. Politicizing the scientific self through media interventions

Anna Durnova, *Institute for Advanced Studies, Vienna - Technoscience and Societal Transformation*

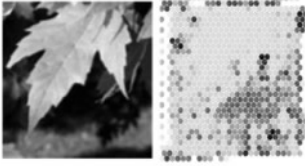


The digital knowledge-era has reached a situation, where the public is overwhelmed with information, neither distinguishing between serious and fake news nor seeing knowledge as a value for itself. This presentation takes the post-factual context to analyze the author's one year experience as a commentator of the Austrian presidential elections for Czech Television and Broadcast. The personal

experience of being attacked as a "euro slut", as bringing "fake facts" and serving "liberal left hegemony" is used here as an analytic blueprint to investigate emotions' role in the performance of scientific inquiry.

## 8. What it is to see: a simulation of artificial vision

*Cordelia Erickson-Davis, Stanford University*



The bionic eye is a type of Brain Machine Interface (BMI), a genre of devices that has been heralded as “the next step in human evolution.” But what does this frontier look like from the eyes of those implanted? We developed a computational model and simulation of what artificial vision will look like if the current dominant theories of

vision are correct and the devices behave as expected. Come by the booth and slip on a VR headset to experience bionic vision, and help us reflect on what it is “to see.”

## 9. Feminist Theory Theater

*Yelena Gluzman, Sarah Klein, University of California, San Diego*

Feminist Theory Theater (FTT) is a way to read. A group of readers assemble as FTT, performing and re-performing a chosen text. There is no audience for FTT; readers are performers, and spectatorship is a mode of attuning to emerging interpretation. Deeply indebted to the feminist theory that insisted on collective, situated meaning-making, FTT is an attempt to explore these ideas methodologically through a core academic practice: reading. We invite 4S members to stop by and join our ongoing FTT reading marathon. We will provide reading material, and welcome you to bring texts (whether archival, original, or theoretical) to read together.

## 10. Construction Sets for DIY Medical Technologies and their Black Box Counterparts

*Jose Gomez-Marquez, Nikolas Albarran, Amy Moran-Thomas, Jose F Gomez-Marquez, MIT*

Growing disparities in access to health technologies are accelerated by medical device “blackboxes” that leave patients out of the design equation. In response, the Construction Sets for Health exhibit features a spectrum of devices that allow everyday users to create their own healthcare devices. Learn how to use Zika diagnostic Legos, modular digital health accessories, and architectures of transparent medical design enable transparent medical design. What are the implications of more hardware and more software creating proprietary boundaries on otherwise accessible solutions? How are providers and patients shifting their traditional roles and learning to hack the technology back?

## 11. Collaborative Research Toolkit: a copyleft resource for the co-design of research processes

*Enric Hidalgo, Dimmons Research Group, at IN3 - Open University of Catalonia // CECAN - University of Surrey*



The 'ColMeth' toolkit consists in a series of canvas and additional offline artifacts that can help science teams and communities of interest to collaboratively: (1) brainstorm about concerns, issues and areas of interest for a research process; (2) select possibilities about specific topics, according to different criteria; (3) co-develop and discuss research questions and refine them; (4) generate diagrams and 'prototypes' of experiments and inquiry processes and (5) identify and coordinate specific tasks and needs related to the management of research.

## 12. Getting a Sense of the Place: Navigating FemTechNet's Critical Race and Ethnic Studies Workbook

*George Hoagland, Minneapolis College of Art and Design, Veronica Paredes, University of Illinois at Urbana-Champaign; Ann Wu, University of Illinois Urbana Champaign*



The FemTechNet Critical Race and Ethnic Studies Workbook is a Scalar publication that provides scholarly resources for students, educators, activists, and community members. Using Scalar's authoring and media management platform, FemTechNet's Critical Race and Ethnic Studies (CRES) Committee builds and maintains

this publication for use by members of the FTN community as well as for those who work in broader educational contexts. This 'Making & Doing' presentation offers three ways to navigate the Workbook (as author, teacher, and student), and investigates some of the challenges inherent to working with technology while thinking through structural inequalities associated with discourses of embodiment.

## 13. Collaborative urban sensing with the "Dustbox" air quality monitor

*Lara Houston, Jennifer Gabrys, Helen Pritchard, Goldsmiths University of London*



Our "Urban Sensing" project formed a community-based air quality monitoring infrastructure in Southeast London. We invited residents to monitor air quality with the Citizen Sense Dustbox in a participatory methodology encompassing collaborative workshops and walks. Residents and researchers positioned monitors near sites



of concern, folding sensing practices into emergent political engagements. Using our Airsift platform, changing particulate levels were collaboratively analysed. Dustbox data was formed and operationalized within urban politics of different registers. It was used to contest the impacts of construction, influence land use through the collaborative writing of policy, and attend to environmental health through evidencing the need to improve urban planning.

## 14. Emotional Interpretation & Materiality of Biosensing

*Noura Howell, School of Information, UC Berkeley*



Drawing from approaches in critical technical practice and reflective design, I explore interpretations with biosensory data in daily life. Instead of more typical visualizations such as a graph on a screen, my work engages dynamic materials that respond to data in abstract, ambiguous ways. For example, I designed clothing, embedded with thermochromic threads, with small patterns that change, slowly and subtly, in response to the wearer's skin

conductance. Asking others to wear the shirts over the course of a conversation or a few days, I probed social and emotional interpretations of skin conductance.

## 15. Engineering Comes Home: Co-designing local infrastructure with residents of a London housing estate

*Charlotte Johnson, UCL; Sarah Bell; Aiduan Borrion, University College London; Robert Comber, Newcastle University; Kat Austen, iilab; Jun Matsushita, iilab*



Engineering Comes Home turns engineering design on its head. The project starts with household needs and looks outward to design technologies and infrastructure, not the other way around. It puts people and their everyday needs first, and acknowledges complex patterns of resource consumption in households that arise from interactions with socio-technical systems. The project

uses STS theory to bring together fundamental social and engineering science methods to deliver tools to support more sustainable engineering design. In the session we present a case-study of a London-based infrastructure co-design process and invite visitors to critically engage with our toolkit and co-design process.

## 16. Doing STS at the science/policy intersection

*Eric Kennedy, Consortium for Science, Policy, and Outcomes - Arizona State University, Matthew Harsh, Concordia University*

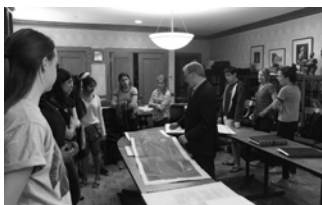


Science Outside the Lab North (SOTL North) is an intensive, 7-day immersion course where graduate students from across Canada and disciplines explore the governance of Canadian technoscience through interacting directly with professionals who fund, regulate, shape, critique, publicize, and communicate science and technology in Ottawa, Ontario and Montréal, Québec. In this presentation, we examine how student questions

evolve throughout the course of the program to assess their changing views on STS-related issues.

## 17. Integrating STS into Bioethics and Medical Humanities Programs

*Julia Knopes, Case Western Reserve University,*



This presentation will address the inclusion of STS perspectives through a range of lectures, courses, seminars, and museum visits into the new Medicine, Society & Culture program in Bioethics at Case Western Reserve University. The presentation aims to demonstrate the value and position of STS in an era of expanding program and degree offerings in the medical humanities

in the United States.

## 18. Generative STEM: Circulating Unalienated Value in Education, Labor and Environment

*Michael Lachney, Audrey Bennett, Daniel Lyles, Zoe Zatz, William Babbitt, David Banks, Ron Eglash, Rensselaer Polytechnic Institute*



This “Making and Doing” session reports on an effort that began in 2010, in which university faculty, graduate students and community members applied the framework of generative justice to re-conceptualizing the relation of K-12 STEM education to low-income community labor and environment. In contrast to the normative goals of serving national competitiveness, corporate profits or military supremacy, a generative approach to STEM seeks to

return the value students and STEM researchers generate back to the communities where they live.

## 19. (T)racing Eyes and Hearts: An Installation to Explore the Physiology of Empathy

*Regan Lawson, Udaya Lakshmi Tattamangalam Ananthanarayanan, Shruti Dalvi, Nassim Jafarinaiimi, Anne Pollock, Lewis Wheaton, Georgia Institute of Technology*



Eye movements and heartbeats are two examples of meaningful physiological reactions in humans. How different are the reactions when people experience the same event? Without consciously realizing it, we respond physiologically in ways that can be measured and visually represented. The visualizations produced with the (T)racing Eyes and Hearts installation provide a

representation of such subconscious changes in heart rate, respiratory rate, and sweat response. The installation allows viewing curated content while tracking the observing user's physiological responses. Immediately after, the user can see this visualization providing a distinctively human-centered exploration of the physiology of empathy.

## 20. Undergraduate STSers Learn by Doing in the Trump Era

*Jane Lehr, Matt R. Klepfer, California Polytechnic State University*

Undergraduates who identify as STSers are typically absent as both attendees and as subjects of attention at 4S Annual Meetings. This exhibit challenges the “common sense absence” of undergraduates at 4S via a project-based showcase of making, knowing, and doing by STSers from Cal Poly. In addition, student participants will share perspectives on doing STS at a predominantly white, historically conservative, polytechnic university in California during the Trump era, with a particular emphasis on individual and group strategies for critical STS intervention.

## 21. Making Sensible in 360°

*Alexandra Lippman, University of California, Davis*



360° video promises to create an immersive future for storytelling. 360° producers imagine that the new format that moves beyond passive watching to active virtual participation. During the 2016 Olympics, I collaborated with RYOT, a Virtual Reality media company, to direct a series of short 360° documentaries based on my ethnographic research in Rio de Janeiro. I will present a

series of 360° videos, which explore issues of infrastructure, race, expressive culture, and technology, in a city in the midst of crisis and celebration. I reflect on the videos in an artist statement on compromise and collaboration in the encounter between radically diverging ideas about temporality, representation, and the politics of making immersively sensible.

## 22. AirTRACS: Community-based Air Quality Monitoring

*Maria Michails, Rensselaer Polytechnic Institute*



AirTRACS is a community-based art and technology project addressing air quality and governance made in collaboration with residents living at the Ezra Prentice Homes in South End Albany, an environmental justice community impacted by multiple sources of air pollutants. The project consists of a fleet of rovers and wearables with low-cost air quality monitoring sensors made by

youth living in the neighborhood. A companion website maps the rovers and features recorded storytelling by their elders. The stories are an ethnographic presentation of the personal experiences of those living in close proximity to crude oil trains, heavy diesel truck traffic and industrial activity at the adjacent Port of Albany, NY.

## 23. A STS STEM Education Incubator: The Co-Making of Inquiry

*Nicole Mogul, David Tomblin, Matthew Aruch, University Of Maryland College Park*



We are obsessed with developing experiential, movement-based classroom activities to teach STS to undergraduate STEM majors. In this STS Making and Doing session, we will share insights, collect ideas and incubate new activities. This interactive exhibit will convey and document, but most importantly, GENERATE ideas. Our method is a menu. We display and model

sample activities/artifacts that we have developed for our classes. We will record conference attendee ideas and give them a structure for working (with us, in pairs, or in small groups) to either develop new activities, or to articulate ideas they have been afraid to try.

## 24. QEERI's Science Majlis

*Anto Mohsin, Jemina Legaspi, Northwestern University in Qatar*



This project is a video of Science Majlis event in Qatar, a monthly public forum that aims to engage the Qatari publics to discuss energy and environmental scientific issues relevant to the country. The public forum welcomes participants of different age groups, educational backgrounds, professions, nationalities, and genders. Some of the discussion topics that have raised

include air quality in Doha, water resources in Qatar and in the Gulf region, solar energy, as well as astronomy.

## 25. Environmental Data and Governance Initiative: Engaged STS Responding to the U.S. Administration

*Michelle Murphy, University Of Toronto, Sara Wylie, Northeastern University; Jerome Whittington; Joan Donovan, University Of California Los Angeles; Rebecca Lave, Indiana University; Nick Shapiro, Chemical Heritage Foundation*

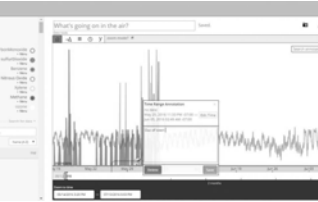


The Environmental Data and Governance Initiative (EDGI) is a network of over 80 STS researchers, scientists, environmental studies scholars, coders, and non-profit partners, working with that developed in response to the Trump administration's hostile stances to existing federal environmental and energy regulation and science. This presentation shares EDGI's collaborative work in

grassroots data archiving, web monitoring, and collective research and reflects on efforts to create collective, open, engaged practices that bring social scientist and technology communities together towards data justice and environmental justice.

## 26. Data Sense

*Dawn Nafus, Intel*



Data Sense is an online software prototype that emerged from a four university research program called Biosensors in Everyday Life. It facilitates broader exploration of data than what is possible with current fitness tracking device or environmental monitors. The goal is to enable people with a broader set of backgrounds to repurpose or reframe data, and get beyond the normativities often

built into devices. Drawing on STS notions of enumeration as an embodied practice, its interactions treat visualizations as material to “grab from” and rework, not just static representations.

## 27. Our Driverless Futures: Speculating Moral Dilemmas of Self-Driving Cars

*Lorina Navarro, Georgia Institute of Technology*

“Our Driverless Futures” is an interactive narrative that examines the ethical implications of self-driving cars. Informed by STS and feminist discourse, it advances a critical reflection on algorithmic morality and its consequences. It does so by putting its audience in the shoes of a car buyer confronted with the decision of programming their car in choosing whose lives to save. The players then navigate various perspectives on self-driving cars from car manufacturers, human rights activists and social media. Thus, the narrative serves both as a provocative piece and a scholarly argument, raising humanistic concerns beyond solutionist framings of new technologies.

## 28. STS Design and Innovation: Disciplinary Discomfiture

*Dean Nieuwsma, James Malazita, Rensselaer Polytechnic Institute*



Interdisciplinary collaboration provides many instances that can make participants feel uneasy with their disciplinary identity and worldview. Rensselaer's interdisciplinary Programs in Design and Innovation (PDI) is a set of undergraduate dual-major programs combining a range of technical/professional majors with an STS-styled design degree program. PDI brings STS to the

worlds of engineering, computer science, business management, and communications—all via design. This session will focus on PDI's educational output, educational research activities and findings, and reflections on how the program sits uncomfortably—and yet productively—at the intersection of STS (as traditionally understood), engineering/technical design, and creative design.

## 29. Biomaterial Matters: Fitting Humans into Cocoons, A Speculative Prototype

*Lisa Onaga, Nanyang Technological University, Laura Forlano, Illinois Institute of Technology, Galina Mihaleva, Nanyang Technological University; Anne McKnight, Shirayuri University*



What does it mean to fit the human into the cocoon? The speculative prototype engages with research about the history of silk and silkworms in Japan around science and technology studies themes such as future(s), cosmopolitanism, adaptation, human and non-human, real and artificial, and gender. Thus, the prototype is conceived of as a large (human-sized) cocoon-like garment that can be

tried on. The prototype has an eye-like motif and shape in order to reference three specific research themes: the double-eyelid surgery, the false eyespot of some common silkworm strains, and the fisheye motif in the weavings of Amami-Oshima in Japan.

## 30. STS approaches to public engagement with science: Synthetic biology

*Rae Ostman, Arizona State University, Ira Bennett, Arizona State University; Stephanie Long, Science Museum of Minnesota; David Sittenfeld, Museum of Science; Jameson Wetmore, Arizona State University*

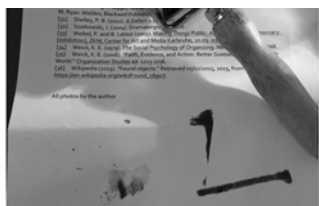


Presenters will share STS approaches to engaging public audiences and scientists in mutually informative conversations about synthetic biology. The Frankenstein Bicentennial Project is developing a suite of transmedia learning experiences, including an alternate reality game, creative making activities, and online challenges. Storming the Castle is an interactive museum theatre program that

considers the promises and perils of this emerging technology through comedy. Building with Biology brings scientists and public audiences together in dialogue and hands-on activities about synthetic biology and the ways it is interconnected with society.

## 31. The Empirical Printing Program

*Kasper Ostrowski, Dept. of Communication and Culture, Aarhus University, Denmark*



Discover the surprisingly aesthetic qualities of marooned everyday objects. In this booth we explore sensibility, inscription and estrangement by having litter turned into empirical prints – unique, artistic monotypes. With the ‘Empirical press’ we invite participants to bring a random (relatively flat) object and having it turned into their own artistic monotypic conference memorandum. Before the

Making and Doing event 4S participants can enlist in the EPP (Empirical Printing Program). They will be invited to the print display, given a simple collection challenge, rewarded with a special EPP tag and paid 25 cents for the trouble. If they play along, they can subsequently buy their own prints back for the 25 cents.

## 32. Technological theory for all: Teaching experiments on STS in Chile

*Martin Perez Comisso, SFIS - Arizona State University*

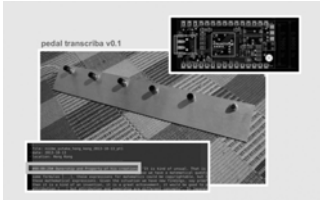


How to bring STS to different educational audiences? The University of Chile has experimented in formats for schoolchildren, university students, professionals and other publics beyond the university with 5 convergent pedagogical experiences that have been developed between 2013 and 2017. These strategies, based on active learning, aims to recognize the value, contiguity

and relevance of STS beyond the academy for the Chilean society. In this stand will be presented the systemic model, the built institutional network, some products and active strategies used in this 5 year experience, as well as their qualitative and quantitative results.

### 33. Pedal Transcriba, an Ethnographic Device of (and for) Qualitative Research

*Luis Felipe Rosado Murillo, CNAM/IFRIS*



In this presentation I demonstrate the process of building a USB-based pedal for audio and video transcription with Free and Open Source technologies. The goal is two-fold: first, to show how open prototyping platforms can help us quickly build tools for research in humanities and social sciences; and, second, how the very process of prototyping can be part of an ethnographic project to

explore the sociotechnical conditions for participating in collaborative forms of tech development.

### 34. Detoxifying the environment across temporalities

*Nick Shapiro, Chemical Heritage Foundation*



In this presentation I document four different environmental making and doing projects that I am working on across four different temporalities or scales. The point of presenting them all collectively is to note the interdependence of short-term stopgap interventions and long-term utopic projects for detoxifying the atmosphere.

### 35. Face-off! Platform versus Self: A

#### photobooth experiment

*Marie Steensen, Annette Markham, Mette Hegaard, Maria Thing Nielsen, Lydia Choi, Julie Bredholt, Aarhus University, Denmark*



This experimental photo booth serves as an interactive way to explore the continual and precarious dynamic of agential relation among elements of socio-technical design. The photobooth will be available for everyone to use during the Making and Doing session. Participants take a photo of themselves in the photobooth and are given particular options by the system to either choose

from predefined categories or invent creative categories. This simple setup functions as a cultural prompt for participants to investigate the social construction of identity within the politics of platform defaults

### 36. Zika and Feminist STS: Building a Network, Doing Collective Scholarship

*Alexandra Stern, University of Michigan, Laura Mamo, San Francisco State University;*



*Susan E. Bell, Drexel University; Anne Figert, Loyola University Chicago; Ann Kelly, University of Exeter; Kristy Birchard, Drexel University; Sueann Caulfield, University of Michigan; Ilana Lowy, Cnrs-Cermes; Vanessa Grotti, European University Institute, Florence, Italy; Debora Diniz, International Women's Health Coalition, University of Brasilia, Brazil*



Prompted by the immense geographic speed and sweep of the global Zika outbreak last year, we created an international collective of STS scholars trained in Sociology, History, Anthropology, and Public Health. Since 2016, the Zika Social Science Network (ZSSN) has been examining how knowledge is formed, interventions

mobilized, and lives shaped by Zika. We are making and doing single- and collectively-authored papers and interventions, including creating a website that we envision as an international node for connecting Zika researchers and projects. ZSSN's practices include familiar scholarly output and public engagement, as we meld scholarship and activism critically examine Zika.

### 37. Connecting-Probing-Reflecting Spaces: The New England Workshop on Science and Social Change (NewSSC)

*Peter Taylor, UMass Boston*



This presentation provides visitors with a 10-30 minute experience of tools and processes used for inquiry, dialogue, reflection, and collaboration at NewSSC. The process side of NewSSC is emphasized because workshops and meetings are ubiquitous in STS (so examining this aspect of our own culture can help promote positive

changes); and organized multi-person collaborative processes form a highly valorized aspect of the culture of some scientific fields (so analyses of such fields can be informed by reflection on experiences of participation and collaboration in STS).

### 38. The making of an undergraduate Sociotechnical Ethics Society

*Jennifer Terrell, Indiana University*



This presentation offers insights into in the making of the Sociotechnical Ethics Society (SES), an official undergraduate student organization on the campus of Indiana University that promotes the growth of ethical thought, particularly in regards to sociotechnical contexts. The SES accomplishes this through the coordination of events such as: a speaker series, film screenings, and the

construction of special interest reading groups. The group shows great promise for educating students in issues of society and technology outside of the classroom. It gives them the space to practice the “doing” of ethics by engaging in various topics of their own interest.

### 39. Handholds: making sense of bodies through slaughter

*Kara Wentworth*



This multimedia film installation focuses in on the material interactions between hands, hides and knives to make sense of animal slaughter as a material-semiotic process. On the kill floor of a small U.S. animal slaughterhouse, butchers use knives to separate pig hides from bodies. In the process of skinning and disassembling, the animal’s body takes shape, becoming

knowable and known in new ways. Contributing to conversations in Feminist STS, multi species ethnography and materiality of knowledge, this work offers a novel look at how bodies come to matter.

### 40. Design Workbook Variations: Exploring Biosensing Privacy Futures

*Richmond Wong, Ellen Van Wyk, James Pierce, University of California, Berkeley*



We created a set of design fiction concepts related to human biosensing technologies using the design workbook method. These design fictions take the form of images showing imagined interfaces, websites, and advertisements. We created multiple artifacts featuring these images, including sketchbooks, bounded books, and

postcards. These modes of engagement allowed us to explore entanglements between ‘real’ and ‘fictional’ worlds, connecting sensing technology in popular culture, research, and commercial products historically, in the present, and in imagined futures. We invite attendees to hold, look at, play with, and reflect on these design artifacts.

## 41. Making and Doing STS with Undergraduate Engineers: The UVA Approach

*Caitlin Wylie, Sean Ferguson, Toluwalogo Odumosu, Rider W Foley, Benjamin Laugelli, Peter Westin, Bryn Whiteley, University of Virginia*

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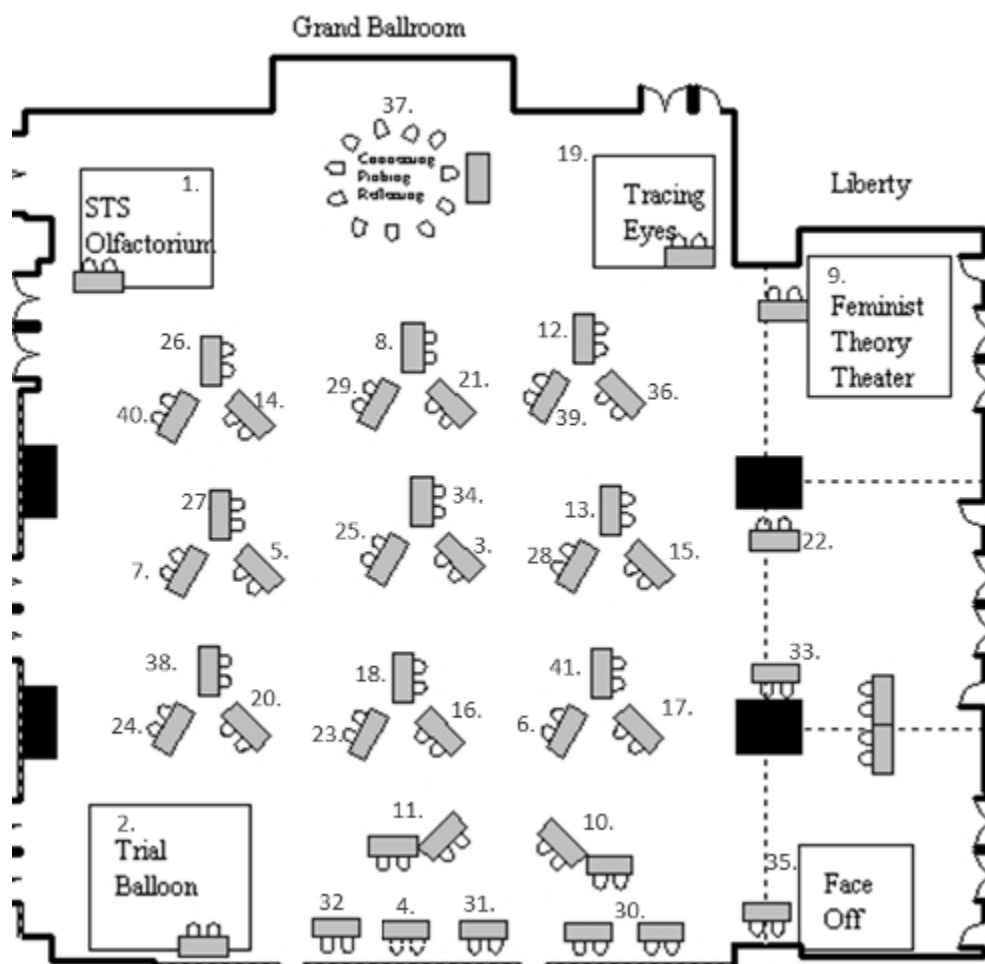
STS FOR THE 21ST CENTURY ENGINEER



The University of Virginia has one of the few STS programs embedded in an engineering school. As our colleague Deborah Johnson reported in *Infusing Ethics into the Development of Engineers* (2016), the program's mission is to empower undergraduate engineers to

“develop and demonstrate their capacity for social analysis, ethical reasoning, and written communication.” We will present our pedagogical approaches, including our class activities, assignments, and examples of student work. Please join us to share ideas, challenges, resources, and inspirations for "making and doing" STS with STEM students.

# *Making & Doing Exhibition Layout*



## Program at a Glance

### *Wednesday, August 30*

#### **Concurrent Sessions**

11:00 am to 12:30 pm

#### **LUNCH**

#### **016. Student Section of 4S (6S) Business Meeting w/Kim Fortun**

12:30 to 2:00 pm

Floor 3 - Beacon D

#### **017. STHV Editorial Board Meeting**

12:30 to 2:00 pm

Floor 3 – Hampton

#### **Concurrent Sessions**

2:00 to 3:30 pm

#### **Coffee Break**

3:30 to 4:00 pm

#### **Concurrent Sessions**

4:00 to 5:30 pm

#### **049. Presidential Plenary: Interrogating 'the Threat'**

5:45 to 7:15 pm

Floor 2 - Grand Ballroom

#### **050. Opening Reception**

7:30 to 9:30 pm

Floor 2 - Liberty Foyer

### *Thursday, August 31*

#### **051. ESTS Editorial Board Meeting**

7:15 to 8:45 am

Floor 5 - Olmstead

#### **Concurrent Sessions**

9:00 to 10:30 am

#### **Coffee Break**

10:30 to 11:00 am

#### **Concurrent Sessions**

11:00 am to 12:30 pm

#### **084. 2017 Fleck Prize winner: Judy Wajcman's *Pressed for Time***

11:00 to 12:30 pm  
Floor 3 - Commonwealth

## **LUNCH**

### **096. 4S Business Meeting**

12:30 to 2:00 pm  
Floor 3 - Beacon D

### **Lunchtime Workshops, 12:45-1:45 pm**

**097. Ethnografilm Dailies I**  
Floor 3 - Commonwealth

**098. Image, Material, Transfer: A Materials Lab Workshop**  
Floor 5 - Olmstead

**099. Getting Out The 1,000 Words 1: Op-ed and Short Form Public Writing Panel Discussion**  
Floor 5 - Riverway

### **101. Making and Doing Presentations**

1:00 to 4:00 pm  
Floor 2 - Grand Ballroom

### **123. Tour of "The Philosophy Chamber" exhibition at the Harvard Art Museums**

2:00 to 5:00 pm  
off-site event

### **Concurrent Sessions**

2:00 to 3:30 pm

### **Coffee Break**

3:30 to 4:00 pm

### **Concurrent Sessions**

4:00 to 5:30 pm

### **133. 2017 Carson Prize winner: Adia Benton's *HIV Exceptionalism***

4:00 to 5:30 pm  
Floor 3 – Commonwealth

### **144. #QueerSTS4S: Third Annual Happy Hour Meetup**

5:30 to 7:00 pm  
The Pour House, 907 Boylston St.

### **145. 4S Awards Plenary**

6:00 to 7:30 pm  
Floor 2 - Constitution

## ***Friday, September 1***

### **Concurrent Sessions**

9:00 to 10:30 am

**Coffee Break**

10:30 to 11:00 am

**Concurrent Sessions**

11:00 am to 12:30 pm

**LUNCH****204. EASTS Journal Editorial Meeting**

12:30 to 2:00 pm

Floor 5 - Public Garden

**Lunchtime Workshops, 12:45-1:45 pm****199. Blogs, Backchannels and Short Form Writing**

Floor 3 - Beacon D

**200. Building STS Programs**

Floor 3 - Beacon E

**201. Feminist STS Meet-up**

Floor 3 - Beacon G

**202. Ethnografilm Dalies II**

Floor 3 - Commonwealth

**203. Getting Out The 1,000 Words 2: Pitch Slam with Media Editors and Policy Advisors!**

Floor 2 - Grand Ballroom

**205. Doing Situational Maps and Analysis in STS**

Floor 5 - Riverway

**Concurrent Sessions**

2:00 to 3:30 pm

216. Invited Session: Reproductive Justice and Injustice

2:00 to 3:30 pm

Floor 3 - Commonwealth

**Coffee Break**

3:30 to 4:00 pm

**Concurrent Sessions**

4:00 to 5:30 pm

**240. 2017 Bernal Lecture: Hebe Vessuri**

4:00 to 5:30 pm

Floor 2 - Constitution

**254. Plenary: Opportunities and Challenges for an Engaged STS**

5:45 to 7:15 pm

Floor 2 - Constitution

**255. 4S Banquet**

7:30 to 10:30 pm

Floor 2 - Grand Ballroom

## *Saturday, September 2*

### **Concurrent Sessions**

9:00 to 10:30 am

#### **278. Foraging/Walking Tour: "Eating Humans: Eating into Future Cosmologies"**

10:00 to 11:00 am

off-site event

### **Coffee Break**

10:30 to 11:00 am

### **Concurrent Sessions**

11:00 am to 12:30 pm

#### **289. Invited Session: Making Sense of Data Revolutions: STS Perspectives on the Social Dimensions and Ethical Obligations of Digital Media Technologies and Data Production**

11:00 to 12:30 pm

Floor 3 - Commonwealth

### **LUNCH**

#### **303. SSS Editorial Board Meeting**

12:30 to 2:00 pm

Floor 5 - Olmstead

#### **Lunchtime Workshops, 12:45-1:45 pm**

##### **304. Math, Law, and Civil Rights: Interdisciplinary Interventions in Gerrymandering**

Floor 3 - Beacon A

##### **305. Doing Science through Feminist Speculative Fiction Writing**

Floor 3 - Beacon D

##### **306. Ingesting the Informational Imaginary**

Floor 3 - Beacon E

##### **307. Ethnographers' Lunch**

Floor 3 - Beacon F

### **Concurrent Sessions**

2:00 to 3:30 pm

### **Coffee Break**

3:30 to 4:00 pm

### **Concurrent Sessions**

4:00 to 5:30 pm

#### **353. Student Section of 4S (6S) Happy Hour**

5:30 to 7:00 pm

Globe Cafe & Bar, 565 Boylston St.



## Wednesday, August 30

### 001. STS Across Borders

Open Discussion

9:15 to 10:45 am

*Sheraton Boston: Floor 3 - Beacon D*

Chair:

**Kim Fortun**, University of California Irvine

### 002. Disaster Prediction and Preparedness

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

The Construction of an Earthquake Prediction Model in French Nuclear Risk Regulation during the 1970s *Mathias Roger, IRSN*

Governing Uncertainty: Disaster Expertise, Emergent Markets, and the Istanbul Earthquake *Ebru Kayaalp, Istanbul Sehir University; Onur Arslan, Istanbul Sehir University*

The Futurology of Forecasting *Sara de Wit, Institute for Science, Innovation and Society, University of Oxford*

Chair:

**Mathias Roger**, IRSN

### 003. Democracy at Risk: Balancing the Benefits and Dangers of Emerging Technologies

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

The Do-It-Yourself Biology Community: Emergent Techno-Social Dynamics in the Age of Democratizing Technologies *Yong-Bee Lim, George Mason University*

The Intersection of Distributed, Generative Technologies and Governance: Additive Manufacturing as Democratizing *Daniel Alexander Tapia-Jimenez, University of California, Davis (UCD)*

Small Modular Reactors: Safety and Security Concerns on the Spectrum of Shifting Technologies *Eric Bronn Jacobson, Center for Global Security Research/ Lawrence Livermore National Laboratory*

Black Box Medical Devices and Struggles for Equitable Design: Conundrums of Practice *Jose F Gomez-Marquez, MIT; Amy Moran-Thomas, MIT*

Chair:

**Jaclyn Kerr**, Lawrence Livermore National Laboratory/ Stanford University

Discussant:

**Jaclyn Kerr**, Lawrence Livermore National Laboratory/ Stanford University

#### 004. Textual Analysis and Working with Big Data

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

The Geopolitics of Knowledge Production on the Agrarian Question: The Debate among Editors of Agrarian Studies in International Journals *Joaquim Pinheiro, Universidade de Brasília*

Understanding Big Data and the Associated Epistemologies in Healthcare: A Discourse Analysis of Scientific Editorials *Marthe Stevens, Erasmus University Rotterdam; Rik Wehrens, Erasmus University (Institute of Health Policy & Management); Antoinette de Bont*

A Study Based on Bibliometrics: Visual Sensibility Results in Citation Inflation for Top Scientific Achievements *Guoyan Wang, University of science and technology of China*

The Role of Gender and 'Race' Discourses in Scientific Knowledge Production and Society *Rozlyn Redd, University of Leicester*

The Experimental Reflexivity: Why Sociologists of Technology do not Patent? *Marcos Antonio Mattedi, Universidade Regional de Blumenau; Maiko Rafael Spiess, Universidade Regional de Blumenau*

Chair:

**Marcos Antonio Mattedi**, Universidade Regional de Blumenau

#### 005. Making Sense of Practice by Engagement I

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Knowledge Making Across the Social Body *elizabeth simpson, University of Illinois at Urbana-Champaign*

Musical Expertise, Technical Knowledge and Collaborative Design Methods *Ezra Teboul, Rensselaer Polytechnic Institute*

On Hospitality and Hope: Where Scientific and Technical Infrastructure Negotiates Its Insiders and Outsiders *Stephanie Steinhardt*

Chair:

**Karin Patzke**, State University of New York, College of Environmental Science and Forestry

Discussant:

**Ellen Foster**

#### 006. Science, Technology and Sport I

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Examining Sports, Science, and Technology Studies *Jennifer Sterling, University of Iowa; Mary McDonald, Georgia Institute of Technology*

Race, Science, and the Sporting Bodies: The Scientific Construction of “Asian Physical Inferiority” *Yu-Kuei Sun, Towson University*

The Building Bureau of the National Jewish Welfare Board, Gender Integration at Jewish Ys, and Reforming Athletic Spaces *Linda J Borish, Western Michigan University*

Engineered Athletics: Cold War Science, Technological Consciousness, and Sport in East Germany *Mario Bianchini, Georgia Institute of Technology*

Techno-Physical Feminism: Surveillance, Wearable Technology, & Shifting Risk Paradigms *Renee Shelby, Georgia Institute of Technology*

Chair:

*Jennifer Sterling, University of Iowa*

**007. “Would you Recommend this Shoulder Surgery?” Effect of Online Feedback and Ratings on Health Care Service Provision**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

Whose Feedback Is It Anyway? - Enacting Agency in Online Health Experience Reports *Farzana Dudhwala, University of Oxford*

Depression, Science, and Metaphor: Analyzing Testimonials about Transcranial Magnetic Stimulation *Emma Frieß*

“Aren’t these just desperate self-helpers trusting unreliable health-information online?” *Ane Kathrine Gammelby, Aarhus University*

How Hospitals Listen *Malte Ziewitz, Cornell University*

Chair:

*Farzana Dudhwala, University of Oxford*

**008. Visualizing Security: Remote Sensing, Visualization Technologies and the Making of Risk and (In)securities I - Surveillance & Law Enforcement**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Cell Site Simulators and the Visualization of Metadata *Thomas Linder, Queen's University, Kingston, Canada*

Sensors, Signals, Servers: Policing in the Twenty-First Century *Lauren Kilgour, Cornell University*

Smart CCTV: Combining STS with Criminology and Surveillance Studies *Jens Hälterlein, University of Freiburg*

Chair:

**Nikolaus Pöchhacker**, MCTS, Technical University of Munich

## **009. Making Medical Innovation Ethical**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Innovating Reproduction: Ethics and Access to Technology and Bodies *Anna Jabloner, Stanford University; Sandra Soo-Jin PhD Lee*

From Chronic to Infectious: Hepatitis C and its “Cure” *Lisa Lehner, Cornell University*

Economic and Infrastructural Barriers to Technological Enhancement of Visually Impaired People in Russia *Alexandra Kurlenkova, Center of Medical Anthropology, Institute of Ethnology and Anthropology, Russian Academy of Sciences*

An Ethics of Enchantment? Analysing the Research Ethics Apparatus of Gene Therapy *Courtney Addison, University of Copenhagen*

Remaking the Ethics and Epistemology of Alternative Biomedicine: Fetal and Stem Cell Therapies in (Post)socialist China *Priscilla Song, Washington University in St. Louis*

Chair:

**Elena Sokolova**, Institute of Ethnology and Anthropology, Russian Academy of Sciences

## **010. Postphenomenological Research 1: Scientific Perception**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Dalton*

Participants:

Zebra Finch Acoustics and Anti-Cognitivism *Don Ihde, Stony Brook University*

On the Difference Between Technical and Technological Mediation: Science-in-the-Making and Science-as-it-has-been-made *Bas de Boer, University of Twente (the Netherlands)*

Do Instruments Really Produce “Easy Knowledge”? *Stanley C Kranc, University of South Florida*

Bachelard, Technoscience, and Cloud Computing (?) *Robert C. Scharff, University of New Hampshire*

Chair:

**Peter-Paul Verbeek**, University of Twente

## **011. Transdisciplinary Research: Transforming Sensibilities and/or Making Usable Knowledge?**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Exeter*

Participants:

"Them" - Adventures with Civil Society *Anna-Lena Berscheid, University of Paderborn*

Transdisciplinary Publics in the Making: Negotiating Sustainable Energy Research Policy in German *Mirko Suhari, Zeppelin University*

Engaging, Empowering, Enacting Community in Environmental Health Research: Case Study of the Superfund Research Program *Amanda Giang, Massachusetts Institute of Technology*

Engaging Stakeholders in Transdisciplinary Research: Recalcitrant Subjects and Performative Response-abilities *Nicole L Klenk, University of Toronto; Katie Meehan, University of Oregon*

Chair:

**Nicole L Klenk**, University of Toronto

## 012. The Tools of the Trade / The Tools for the Job

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Fairfax*

Participants:

Technology in the Kitchen: Chicken or Egg? *Jonathan LeRoy Biderman*

Aiming Ahead: A Case of Instrument Rejection and Adoption in a Rapidly Changing Work Environment *Zara Mirmalek, Harvard University; Alexander Sehlke, NASA Ames Research Center; Darlene S. S. Lim, BAER Institute, NASA Ames Research Center*

Cyberinfrastructure Tools and the Transformation of Early Researcher Careers *Kerk Fong Kee, Chapman University; Jeremy Hunsinger, Wilfrid Laurier University*

Uncertainty of the Science in case of the Highest Luminosity Accelerator *Kohji Hirata, KEK, High Energy Accelerator Research Organization*

Street-Level Bureaucrats and Data Literacy: Finding a Way Forward *Andi Dixon*

Chair:

**Andi Dixon**

## 013. Identity Questions: The Digital, Genetic and Microbial Human

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Gardner*

Participants:

Digital Phenotype: Human Embodiment or Transhuman Imagery? *Anne Kovalainen, University of Turku, Turku School of Economics; Seppo Poutanen, University of Turku, Turku School of Economics*

Microbial Fingerprints: Towards a New Definition of Identity *FRANCOIS-JOSEPH LAPOINTE, Universite de Montreal*

Trevor Goward, Lichenologist *Derek Woods, Rice University*

Chair:

**Derek Woods**, Rice University

## 014. Adminstrating Science Research and Policy

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

Administration as Infrastructure: “Enabling Systems” in Global Health *Johanna Crane, University of Washington Bothell*

The Late Incorporation of Risk Governance into Nanotechnology Policy in Brazil *Josemari Poerschke Quevedo, UFPR - Federal University of Paraná; Noela Invernizzi, Professor in UFPR*

Nanotechnology Policy in Brazil: Rationale, Governance and Challenges *Noela Invernizzi, Universidade Federal do Parana; Guillermo Foladori, Universidad Autonoma de Zacatecas; Josemari Poerschke Quevedo, UFPR - Federal University of Paraná*

Interoperating Imaginaries in a Proteogenomics Data Science Proposal *Andrew Staver Hoffman, Human Centered Design & Engineering, University of Washington*

ICT Demands Conceptual Restructuring of Science *Yuko Murakami, Tohoku University*

Chair:

**Yuko Murakami**, Tohoku University

## **015. Promissory Technologies, Disciplinary Boundaries, and the Reconfiguration of Expertise: Cancer in the 21st century**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Kent*

Participants:

Molecular Tumor Boards as Collective Expertise: Bio clinical Decision-making in Cancer Genomics *Pascale Bourret, AIX-MARSEILLE UNIVERSITE / UMR SESSTIM; Alberto Cambrosio, McGill University*

Metastatic Breast Cancer and the Hope for Chronicization *Cinzia Greco, University of Manchester*

The Medicalisation of Advanced Cancer in the 21st century: Searching for Life Extension in Incurable Disease *Shan Mohammed, University of Toronto; Elizabeth Peter, University of Toronto; Denise Gastaldo, University of Toronto; Doris Howell, University of Toronto*

From Big C to little c's: Subtypes of Cancer and their Implications in the Clinic *Anne Kerr,, University Of Leeds; Tineke Broer, University of Edinburgh; Sarah Cunningham-Burley, University Of Edinburgh*

Chairs:

**Tineke Broer**, University of Edinburgh

**Anne Kerr**, University Of Leeds

**Sarah Cunningham-Burley**, University Of Edinburgh

Discussant:

**Ilana Lowy**, Cnrs-Cermes

## **016. Student Section of 4S (6S) Business Meeting w/Kim Fortun**

Business Meeting

*12:30 to 2:00 pm*

*Sheraton Boston: Floor 3 - Beacon D*

**017. STHV Editorial Board Meeting**

Business Meeting

12:30 to 2:00 pm

*Sheraton Boston: Floor 3 - Hampton*

**018. Anticipating and Narrating Disaster**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

The Social Structure of Reputational Damage Caused by Risk-related Event in Japan *Nobuko Ueno, Chiba Institute of Technology*

Before Landfall: Anticipatory Sentiments in Media Coverage of Hurricanes from 1980 to 2012  
*Ly Dinh, University Of Illinois-Urbana-Champaign*

Framing a Wildlife Disaster *Vanessa Svihla, University of New Mexico*

Basic Research: The Source of Hidden Disasters *Yidong LIU, STS Center of the Institute for the History of Natural Sciences, Chinese Academy of Sciences.*

Chair:

**Vanessa Svihla**, University of New Mexico

**019. Facts, Artifacts, and the Politics of Scientists' Participation in Korea**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

How to Count 1 Million Candle Lights? The Politics of Counting and the Participation of Physicists in Korea *Sungook Hong, Seoul National University*

EyeCan: A Corporate Research, Appropriate Technology, and Responsible Research and Innovation in Korea *June-Seok Lee, DGIST (Daegu-Gyeongbuk Inst. of Sci. and Tech.)*

The Controversy over the 'ROKS Cheonan Sink' and the Significance of Democratic Participation *Cheol-Woo Oh, The Hankyoreh Media Group*

The Herbal Pharmaceutical Industry in South Korea *Eunjeong Ma, Pohang University of Science and Technology*

Chair:

**Wen-Hua Kuo**, National Yang-Ming University

Discussant:

**Hyomin Kim**, University Of Illinois

**020. The Poetics of Denial: Knowledge-Making and Expertise in a "Post-Fact" Era I**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

Climate Science, Censorship and Denial: A Sociotechnical Imaginary *Rosalind Donald, Columbia University*

REDD and the Politics of Denial: Repackaging Old Forms of Intervention *Raquel Machaqueiro, George Washington University*

The Certainty of Denial *Jonna Yarrington, University of Arizona*

Chair:

**Chloe Ahmann**, George Washington University

Discussant:

**Sabrina Peric**, University of Calgary

**021. Data-bilities: Rendering Data Accessible, (Inter-) Operable, Mobile, Accountable**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Climate Data Rescue's "Guerilla Archiving" as Counter-Data Action *Britt Paris, UCLA Department of Information Studies*

Data Infrastructures and Institutions for Climate Model Intercomparison Projects *Matthew Mayernik, National Center for Atmospheric Research; Paul N Edwards, University Of Michigan*

How Numbers Travel between Sites: On Quantifications within and across Practices of Healthcare *Iris Wallenburg, institute for Health Policy and Management; Anna Essén, Stockholm school of economics, department of business administration; Roland Bal, Erasmus University Rotterdam*

Practices of Datafication and the Crafting of New Forms of Sociality in Indian Public Health *Séamas Kelly, University College Dublin; Camilla Noonan, University College Dublin*

Blockchain Databases and the Ongoing Drive to Secure Information *Brian Kinnee, Cal Poly SLO*

Chair:

**Victoria Neumann**, MCTS, Technical University of Munich

**022. Making Sense of Practice by Engagement II**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Playing With Tools and Making Sense of Information Security and Privacy *Niranjana Sivakumar*

Craft, Computation, and Technology: The Practice of Wire-Bending in Trinidad & Tobago *Vernelle A Noel, Penn State University*

The Sensibility of Surfing Uncertainty *Zachary Parke Dixon, Embry-Riddle Aeronautical University*

Chair:

**Ellen Foster**



Discussant:

**Tania Pérez-Bustos**, National University of Colombia

### **023. Science, Technology and Sport II**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

'Nomos and Narrative': How Law Comes to Know the Science of Brain Injury and Sport

*Kathryn Henne, University of Waterloo/Australian National University*

"A Clear Conscience": Advertising Football Equipment and Responsibility for Injuries *Kathleen Elizabeth Bachynski, American Academy of Arts & Sciences*

Reading Minds: Trauma and Neuroscience in the Age of CTE *Matt Ventresca, Georgia Institute Of Technology*

The (In)Sensibility of Authentic Hormonal Masculinity. *Cora Olson, Virginia Tech Carilion School of Medicine*

Binary Vision: Sex Difference and the Reproduction of Ignorance at the Olympic Games *Madeleine Pape, University of Wisconsin-Madison*

Chair:

**Mary McDonald**, Georgia Institute of Technology

### **024. Drs. Mom and Dad: Patient and Caregiver Expertise and the Reconfiguration of Medical Authority I**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

Fetal Ultrasound in Russia: Practices of Acceptance and Rejection *Anna Ozhiganova, Center of Medical Anthropology, Institute of Ethnology and Anthropology, Russian Academy of Sciences*

Shroom Stories: Collective Self-Experimentation as an Epistemology of Citizen Science *Joanna Kempner, Rutgers University; John Bailey, Rutgers University*

The Construction of an Autism Epidemic in Korea *Hawon Chang, Seoul National University*

Learning Through the Sensibilities of Chronic Self-Care: STS and Diabetes Management *Vincent Pidoux, University of Lausanne, Faculty of Social and Political Sciences*

Chair:

**Nicholas Buchanan**, University of Freiburg

### **025. Visualizing Security: Remote Sensing, Visualization Technologies and the Making of Risk and (In)securities II - Knowledge Production in Insecure Worlds**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Neither Dead nor Alive: The Messenger is a Ghost in these Unlovely Places *Natalie Danielle Baker, Sam Houston State University*

Pixel or it Didn't Happen: Thinking With (and Through) Terrestrial Pixels *Samantha Jo Fried, Virginia Tech*

Where is Zika? Exploring the Ambiguities of Algorithms, Data and Judgment *Francis Lee, Uppsala University*

Visualizing Absence: Images of Absence of Risk and Risk of Absence as Challenges to Visualization *Ann Rudinow Saetnan, NTNU; Rocco Bellanova, UVA*

Chair:

**nina witjes**, MCTS TU München

## 026. Technological Innovation, Primary Healthcare and Social Justice I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Chinese Diseases Question Answering System and its Influence on Health Care *Haodong Zhang, National Academy of Innovation Strategy, China Association Science and Technology; Wang Zheng, Institute of Scientific and Technical Information of China; HUI LUO, National Academy of Innovation Strategy, CAST; Jing Xue, China Association Science and Technology; Xingchuan Li, China Association Science and Technology*

Genomics for Breast Cancer Prevention: Decision-makers' Views on Socio-ethical and Organizational Challenges *Julie Hagan, Université Laval; Emmanuelle Lévesque, Centre of Genomics and Policy, McGill University; Bartha Maria Knoppers, Centre of Genomics and Policy, McGill University*

Queering Quality: How Data About Patients' Gender and Sexuality Shapes HIV/AIDS Care in Atlanta *Stephen Mouldrem, The University of Michigan*

Chairs:

**HUI LUO**, National Academy of Innovation Strategy, CAST

**Zhengfeng Li**, Institute of Science, Technology and Society, Tsinghua University

## 027. Postphenomenological Research 2: Mediated Spaces

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Dalton*

Participants:

On Hostile Architecture: The Inscription of Discriminatory Agendas into Public-Space Artifacts *Robert Rosenberger, Georgia Institute of Technology*

Technological Environmentality: Bringing Back the World into Human-Technology Relations *Margoth González Woge, Department of Philosophy, University of Twente*

Making Sense of "Smart Houses": Towards the Ontology of the Future *Søren Riis, Roskilde University*

Wearable Computers, Transparency and the Gaze of Others *Nicola Liberati, Department of Philosophy, University of Twente*

Chair:

**Don Ihde**, Stony Brook University

## **028. Durable Problems, Parasitic Technologies, and Capital Extraction: An Exercise in Accounting for Amplification**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Exeter*

Participants:

Technically Rationalized Problems and Their Solvents: The Case of Managerial Democracy in India *Patrick Jones, University of Oregon*

Programmatization and Movement: Plots, Speculation, and Capital in Urban Pakistan *Tariq Rahman, University of California, Irvine*

Viral Programming and the Reproduction of Problems: Deferred Racial Reform through Anti-Bias Training in the Chicago Police Department *Sarah T. Hamid, Microsoft Research New England*

Encountering Evidence(s): Recasting Participation in Drug Policy Processes *Kari Lancaster, UNSW Australia; Alison Ritter, Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wa; Rosalyn Diprose, School of Humanities & Languages, University of New South Wales, Sydney, Australia*

Chair:

**Sarah T. Hamid**, Microsoft Research New England

Discussant:

**Daniel M. Greene**, Microsoft Research

## **029. Humanitarianism and Development**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Fairfax*

Participants:

The Hidden Disaster of Donation Management *Rachel Dowty, University of New Haven*

Strengthening STS Sensibilities: Taking Co-production to the Humanitarian "Periphery" *Katja Lindskov Jacobsen, Copenhagen University*

Bridging STS and Innovation Systems Approaches to Knowledge-based Development in Africa: Towards an Endogenous Systems of Innovation Framework *Ogundiran Soumonni, University of the Witwatersrand, South Africa*

Chair:

**Rachel Dowty**, University of New Haven

## **030. (In)Sensibilities of Human and Microbial Lives**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Gardner*

Participants:

The Synthetically Biological Morphology of Human-yeast Relationships *Erika Amethyst Szymanski, University of Edinburgh*

Brett's in the House: Fermenting Value, Care, and Microbial Cultures *Andrew Ian Murray, University Of California At Santa Cruz*

Health Hazard: The Dangerous Proliferation of a Pet Parasite *Sophia Anne Strosberg, University Of Minnesota, Twin Cities*

Fermentation as Metaphor and Praxis for Living Impurely *Stephanie Maroney, University of California, Davis*

Chair:

**Stephanie Maroney**, University of California, Davis

Discussant:

**Amber Benezra**, NYU Tandon School of Engineering

### **031. Innovation, Information and Bureaucracy**

Panel Session

*2:00 to 3:30 pm*

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

Technological Empowerment: A Case Study of the Technology Incubators in Beijing *ShihMing Wu*

Innovation on Standby: Political Pitfalls, Economic Uncertainty, and Scientific Frustrations in Local Computer Innovation at Rio de Janeiro's National Computer Science Laboratory (LNCC) *Beatrice Chicago Choi, Northwestern University*

Comparative Case Studies on Latin American Open Access Infrastructures *Luis Ignacio Reyes-Galindo, State University of Campinas - UNICAMP*

Chair:

**Luis Ignacio Reyes-Galindo**, State University of Campinas - UNICAMP

### **032. Limits of "Infrastructure"**

Panel Session

*2:00 to 3:30 pm*

*Sheraton Boston: Floor 3 - Kent*

Participants:

Multiple Infrastructures in the Oil and Gas Industry and the Consequences of Their Interpretative Flexibility *Stefania Sardo, BI Norwegian Business School*

Mending the Gap: An Investigation into Wheelchair Users' Shaping of London Public Transport *Raquel Velho, University College London*

Infrastructural Incommensurabilities: Ethics and Policy within Institutional Arrangements *Stacy Wood, University of California Los Angeles*

Designing at and Against the Limits of Information Infrastructure *Lindsay Poirier, Rensselaer Polytechnic Institute*

Decay, Compost, Textures, Containers: Infrastructure's Constitutive Outsides *Scout Calvert*

Chairs:

**Robert Montoya**, University of California, Los Angeles

**Gregory Leazer**, UCLA

### 033. Coffee Break

3:30 to 4:00 pm

*Sheraton Boston: Foyer*

### 034. Managing Disaster

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

Expert-Expert Gap? A Study of Heterogeneity in Risk Perceptions among Nuclear Experts and Its Implications for Risk Governance *Bitna Lee, Korea Advanced Institute of Science and Technology (KAIST); So Young Kim, KAIST*

Making Uranium (In)Visible: the Technopolitics of Biomonitoring in the "Grants Uranium District" *Thomas De Pree, Rensselaer Polytechnic Institute*

Governing Disasters through Telecommunication: The Safe-Net Project and Post-disaster Policy in South Korea *Sungeun Kim, Korea Advanced Institute of Science and Technology (KAIST)*

How Do We Know Failure? *Dawn Goodwin*

Chair:

**Dawn Goodwin**

### 035. Decolonial STS: Views from South Asia

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

A Postcolonial Dilemma: STS and Colonial Entanglements of Science in India *Amit Prasad, University Of Missouri-Columbia*

The Suspicious Demise of a Revolutionary Leader: Rumor & the Work of the Dead in Tamil Politics *Bharat Jayram Venkat, University of Oregon*

Decolonizing the Organic Psyche: Revising Maps of "Global Medicine" with Mid-20th century Indian Psychiatry *Sarah Pinto, Tufts University*

Making Postcolonial Bodies: The Biopolitics of Hindu Nationalism *Banu Subramaniam, University of Massachusetts Amherst*

Transfused Kin, Transplanted Citizens: Scenes of Embodied Activism in Contemporary India *Dwaipayan Banerjee, MIT*

Chair:

**Sarah Pinto**, Tufts University

Discussant:

**Projit Mukharji**, University of Pennsylvania

### **036. The Poetics of Denial: Knowledge-Making and Expertise in a "Post-Fact" Era II**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

"It's Like an Air Filter": Alternative Facts on Waste Incineration *Chloe Ahmann, George Washington University*

"Somebody Has to Stand Up to Experts": Classifying Authority in Texas Curriculum Controversies *Christopher Robertson, Northwestern University*

Conservatism and Counter-Revolution: Fringe Science as Reaction *Andrew Bartlett, University of Sheffield*

MIA Accounting and the Politics of Skepticism *Sarah Wagner, George Washington University*

Chair:

**Raquel Machaqueiro**, George Washington University

Discussant:

**Graham Jones**, MIT

### **037. Engaging with Data: Making Sense of Data**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Big Capta and the Digital Sensorium *Jeremy Hunsinger, Wilfrid Laurier University*

Data Sprints as Critical Digital Methods *Michael Hockenhull, IT University of Copenhagen*

Recovering the Data Sublime *Gabby Resch, University of Toronto*

The Epistemic Structure of Climate Science: Examining Cooperation Through Citation Networks *Mike Thicke*

A Pragmatic Theory of Social AI *Anja Bechmann, University of California, Irvine & Aarhus University*

Chair:

**Marcus Burkhardt**, Technical University Munich

### **038. Craft as Practices of Knowledge Making**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Making, Crafting and Human Development: Crafters and Coders Experiences of Digital Fabrication Technologies *Cian O'Donovan, University of Sussex; Adrian Smith; W Edward Steinmueller, University of Sussex*

Strong and Precarious Machines: Caring for Ceramic Kilns in Kyoto (Japan). *Alice Doublier, Université Paris-Nanterre*

Chasing the Fit: DIY Housing Experiments in the Woodshop *Kristin Dew, University of Washington*

The Creative Machine: Sound, Instruments, and Artificial Intelligence *Lauren Flood, Massachusetts Institute of Technology (MIT)*

Craft and STS *Roger Andre Søråa, NTNU; Håkon Fyhn, NTNU*

Chair:

**Roger Andre Søråa**, NTNU

### 039. Science, Technology and Sport III

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

The Corporate Production of Sport Science in the Age of Obesity *Susan Greenhalgh, Harvard University*

How Does Exercise in Pregnancy 'Matter' in the Era of Epigenetics? *Shannon Jette, University of Maryland; Katelyn Esmonde, University Of Maryland College Park*

Know the Game, Play the Game, Shape the Game *Alexandre Hocquet, Université de Lorraine*

Sporting Chances: Robot Referees and the Automation of Enforcement *Meg Leta Jones, Georgetown University; Karen Levy, Princeton University*

Crafting Fun: Tinkering, Innovation and Pleasure in the Invention of Mountain Biking *Sarah Reboloso McCullough, University of California San Diego*

Chair:

**Jennifer Sterling**, University of Iowa

### 040. Drs. Mom and Dad: Patient and Caregiver Expertise and the Reconfiguration of Medical Authority II

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

Facebook as a Clinic: Virtual Community and the Medical Gaze *Nicholas Buchanan, University of Freiburg*

Patient Expertise and "Ambivalent Medicalization": The Case of Chronic Fatigue Syndrome/ME *Emily Rogers, New York University*

Prescribing Benzodiazepines in Uruguay: Tensions in Doctor-Patient Relationships *Andrea Clara Bielli, Universidad de la República; María Pilar Bacci, Universidad de la República; Gabriela Lilián Bruno, Universidad de la República; Nancy Calisto, Universidad de la República; Santiago Navarro, Universidad de la República, Uruguay*

'It is Not a Pill': Engaging a Randomized Controlled Trial of Person-Centred Care *Doris Lydahl, University of Gothenburg*

Chair:

**Nicholas Buchanan**, University of Freiburg

#### **041. Security in the Anthropocene: The Peripheries of Order**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Sensing Intrusion: The Fallible Logic of Home Security *Misha Bykowski, Stanford University*

Technopolitics of Security Governance: Recalibrating Police Violence in Turkey *Hayal Akarsu, University of Arizona, School of Anthropology*

Making Objects of Security Non-Concern: Anomaly-Handling Strategies in Geoengineering and Synthetic Biology *Samuel A Weiss Evans, Tufts University*

The Role of Risk in the Canadian Drone-scape: Stakeholder Narratives around Security and Surveillance Technologies *Ciara Bracken-Roche, Queen's University, Department of Sociology*

Chairs:

**Nathanael Bassett**, University of Illinois at Chicago

**Jason Archer**, University of Illinois at Chicago

Discussant:

**Nathanael Bassett**, University of Illinois at Chicago

#### **042. Technological Innovation, Primary Healthcare and Social Justice II**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

REmaking Patients: The Case of a Robotic Brain Function and Cognitive Assessment *Paige Upton, Queen's University*

Responsible Research and Innovation in Healthcare Policy Delivery: A Qualitative Study of the "Size Acceptance" Programme to Obesity Management *Lada Timotijevic, University of Surrey; Emily Porth, University of Surrey*

Research on the Upgrading of Primary Medical Technology Based on Social Equity *Zhihong Li, School of public policy and management, Chinese Academy of Sciences; Honghong Cheng, School of Public Policy and Management, University of Chinese Academy of Sciences*

Technological Innovation and Governance: Case Study of Primary Healthcare in China *Zheng Li, NAIS, CAST; HUI LUO, National Academy of Innovation Strategy, CAST; Chunping Liu, National Academy of Innovation Strategy, CAST; Hongwei Wang, National Academy of Innovation Strategy, CAST*

Chair:

**Achim Rosemann**, University of Warwick



### 043. Postphenomenological Research 3: Media and Design

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Dalton*

Participants:

Fake News and the Politics of Mediation *Peter-Paul Verbeek, University of Twente*

Thinking Through the Screen: A Postphenomenological Investigation into Digital Drawing in Architecture Education *Inger Berling Hyams, Roskilde University*

Design Visualizations as Service Interfaces *Fernando Secomandi, Escola Superior de Desenho Industrial - UERJ*

From Hermeneutic Relations to Writing relations *Galit Wellner, The NB School of Design & Tel Aviv University*

Chair:

**Don Ihde**, Stony Brook University

### 044. Digital Constitutionalism: Remaking Social and Informational Orders

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Exeter*

Participants:

Online Speech and the Global Digital Constitution *Jaclyn Kerr, Lawrence Livermore National Laboratory/ Stanford University*

Market Federalisms, Network Architectures: The Constitutional Order of Financial Regulation at the Origins of the National Market System for Stock Trading, 1968-1978 *Devin Kennedy, Harvard, History of Science*

Making and Governing Neural Life: Constitutional Dynamics in Neuroethics, Digital Discourses, and Brain-Computer Interfaces *Matthew Sample, Institut de recherches cliniques de Montréal*

Promissory Notes: Constituting the Trusted Time-Horizon of Cryptocurrency *Gili Vidan, Harvard University*

Democratic Wisdom and Technical Know-How in the SOPA Fights of the Obama Administration, 2010-2012 *Marc Aidinoff, Massachusetts Institute of Technology*

Chair:

**Margarita Boenig-Liptsin**, Harvard University

Discussant:

**Wendy Hui Kyong Chun**, Brown University

### 045. Sites and Sights of Militarism: Subjectivities and Knowledge-Making in STS

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Fairfax*

Participants:

“To Touch With Our Finger All the Wounds”: An Insurgent Bioethics *Cristina Visperas, University of Southern California*

Crafting Ideal Family: Vietnamese Refugees, Sociology and Domestic Racism *Linh Thuy Nguyen*

(In)Sensible Calculations: A History of Mathematical Militarism, 1942-1953 *Theodora J Dryer, University of California, San Diego*

Chair:

**Kalindi Vora**, University of California San Diego

## 046. Living with Microbes and Viruses

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Gardner*

Participants:

Slow Thaw: Cold War Residues in the Negotiation to Bring Cuban Cancer Vaccines to the US. *Naomi Schoenfeld, UCSF*

Vaccination, Uncertainty, and Risk: A Different Perspective on Vaccine Hesitancy *Tarryn Abrahams, Virginia Tech*

A Biopolitical Landscape: Disease Surveillance *Cate Portillo-Silva, University of California, Merced*

The Apparatus of Enmity: Microbes, Antibiotic Resistance, ‘Culture’ *Rijul Kochhar, Massachusetts Institute of Technology*

Chair:

**Rijul Kochhar**, Massachusetts Institute of Technology

## 047. Situating Innovation, Interrogating Power

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

The Re-Emergence of the Urban Laboratory *Andrew Schrock, Chapman University*

Redesigning Economic Development: Innovation in a City Government *Holly Okonkwo, University Of Denver*

Experiencing Innovation *Seyram Avle, University of Michigan - School of Information*

In the Name of Innovation: How a Contemporary, Multi-tiered Reform Movement Came to Focus on Remaking the City *lee vinsel, Virginia Tech*

Chair:

**Seyram Avle**, University of Michigan - School of Information

## 048. Navigating Liminal Spaces in Scientific Knowledge Production

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Kent*

Participants:

Does it Matter HOW Data are Created? *Louise Bezuidenhout, Institute for Science Innovation and Society*

Institutional Cognition across the Clinic – Research Divide *Chris Goldsworthy, Institute for Science, Innovation and Society, University of Oxford*

On the Predictive Power of Forecasting *Sara de Wit, Institute for Science, Innovation and Society, University of Oxford*

Making Energy Futures Sensible: Expert Imaginaries and Affect *Christopher Groves, Cardiff University, Cardiff, Wales, United Kingdom; Karen Henwood, Cardiff University; Nick Pidgeon, Cardiff University, UK; Fiona Shirani, Cardiff University*

Chairs:

**Chris Goldsworthy**, Institute for Science, Innovation and Society, University of Oxford

**Louise Bezuidenhout**, Institute for Science Innovation and Society

Discussant:

**Javier Lezaun**, University of Oxford

## 049. Presidential Plenary: Interrogating 'the Threat'

Plenary Session

5:45 to 7:15 pm

*Sheraton Boston: Floor 2 - Grand Ballroom*

Chair and Moderator:

**Lucy Suchman**, Lancaster University

Panel Members:

**Steven Epstein**, Northwestern University

**Joseph Masco**, The University of Chicago

**Amade M'charek**, University of Amsterdam - AISSR

**Kim TallBear**, University of Alberta, Canada

## 050. Opening Reception

7:30 to 9:30 pm

*Sheraton Boston: Floor 2 - Liberty Foyer*

## Thursday, August 31

### 051. ESTS Editorial Board Meeting

Business Meeting

7:15 to 8:45 am

*Sheraton Boston: Olmstead*

### 052. Feminist STS Analyses of Reproductive Medicine I: Contraception and Preconception

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

Dealing with the Uncertainties of the Pill: How Stakeholders Negotiate the Risks of New Contraceptive Technologies *Alina Geampana, McGill University*

Demographic (In)Sensibilities in the Contraceptive Age *Carole McCann, UMBC*

Ethnography of the Unborn: Schools of Pregnancy and Turkish Reproductive Politics *Hatice Nilay Erten, Yale U* Infant Cognition and the Senseniversity

Men, Medical Knowledge, and Reproduction *Rene Almeling, Yale University*

Life with LARC: Investigating the Reproductive Choice-Making of Young Adults *Jenny Dyck Brian, Arizona State University; Patrick R Grzanka, The University of Tennessee; Emily Mann, University of South Carolina*

Chair:

**Alina Geampana**, McGill University

### 053. Interrogating Food Science and Technology I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

Mitigating the 'Credibility Paradox' in the Social Negotiation of 'Good Food' in China *Joy Zhang, University of Kent*

Nixon's Nuggets: Engineered Food and Culinary Inequality *Hannah LeBlanc, Stanford University*

Are Perceptions of 'Unnatural' Important To the Acceptance of Technology in Food Production? *Ellen Goddard, University of Alberta*

Taste No. 5: Imperial Japan, Protein Chemistry, and Race-making with Monosodium Glutamate (MSG) *Sarah Tracy, University of California, Los Angeles*

Chairs:

**Jacob Lahne**, Drexel University

**Christy Spackman**, Harvey Mudd College

**054. Anthropocene, Capitalocene, Technoscience I: Anthropocene and Capitalocene as a Diagnosis**

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

What is a Good Seed? Sense Making, Everyday, and Nostalgia around Genetically Modified Seeds in India *Ashawari Chaudhuri, MIT*

A Theory of Technology and the Nexus between Nature, Artificiality and Capitalocene *Horacio Correa-Lucero, IESAC-Universidad Nacional de Quilmes*

“Governmentalities” of Conservation Science at the Advent of Drones: Situating an Emerging Technology *Lisa Ann Avron, Cornell University*

Overcoming Typological Thinking and Reification: Local Varieties of Crops as a Biosocial Process *Lev Jardón Barbolla, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades, UNAM*

Transnational Advocacy and the Future Anterior of Terminator Technologies *Stephen Kingsley Scott, Harvard University, Department of Anthropology*

Chair:

**Andrzej Wojciech Nowak**, Philosophy Institute Adam Mickiewicz University

**055. Sounding Worlds: Listening as Transformative STS I**

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Sounding Data: Pedagogies of Sonification for STS *Owen Marshall*

Listening, Materiality, and Uncertainty: Surface Noise in Phonographic Records *Chen-Pang Yeang, University of Toronto*

Playing with Low Voltages: The Interface and Instrumentality of Modular Synthesizers *Eliot Bates, City University Of New York Graduate Center*

Chairs:

**Julie Laplante**, University of Ottawa

**David Jaclin**, University of Ottawa

Discussant:

**Stefan Helmreich**, Massachusetts Institute of Technology (MIT)

**056. Science-Making: Epistemic Authority, Scientific Knowledge and the Production of Meaning**

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Enzymatic Genealogies: Historical Narratives of G6PD Deficiency in the Middle East *Elise K Burton, University of Cambridge*

Protection against Honeybees: Intimacy, Technoscience and Environment in the History of Beekeeping *Angelica Marquez-Osuna, Harvard University*

Sexuality and the Social Object in Colonial India *Durba Mitra, Harvard University*

Optics of Recognition: The Calibration of Genetic and Cultural Difference in Roma Population Genetics *Margaretha Blignaut, Harvard University Anthropology Department*

Chair:

**Durba Mitra**, Harvard University

**057. Bodies, Technologies, and In/Sensibilities in Movement I**

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Anticipating Iteration: Sensing Machines and Disabled Bodies in Germany *Shawn Bender, Dickinson College*

Making Sense of Pain: Running and Cycling through Modes of Dis-/Entanglement *Robin Rae; Samuel Haraway, University Of California Davis*

Squeeze, Thud, Flow, Release – The Entangled Becoming of Bodies in Egg Donation *Matilde Lykkebo Petersen, University of Southern Denmark, Department for the Study of Culture*

Use of Mediating Technologies in Authentic Movement *Elena Sokolova, Institute of Ethnology and Anthropology, Russian Academy of Sciences*

Chair:

**Samuel Haraway**, University Of California Davis

**058. Together again? New Perspectives on STS and Innovation Studies**

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

Tensions in the Pursuit of “Health and Wealth”: Innovation Accelerator Agencies & Regenerative Medicine *John Grant Gardner, Monash University, Australia*

The Evolving Relationship between STS and Science Policy and Innovation Studies (SPIS) *Ben Martin, SPRU University of Sussex*

How Did We Grow Apart? *Robin Williams, The University of Edinburgh*

Innovation Science and the Moving Justification of Publicly Funded Research *Joakim Juhl, DTU*

R&D Collaboration in a Post-linear Context: The Role of Publicly Funded Research in the Private Sector *Jane Vedel, Copenhagen Business School*

Chair:

**Alan Irwin**, Copenhagen Business School

Discussant:

**Alan Irwin**, Copenhagen Business School

## **059. Making Sense of Autonomous Technologies I: Interrogating Autonomy and the Politics of Technology**

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Autonomous for What? Big Data, AI and the Problem of Certainty *Madeleine Elish, Columbia University*

Do Algorithms Have Cosmopolitics? A Discussion Based on Facebook's Nudity Policy *Amanda Chevtchouk Jurno, UFMG; Carlos D'Andréa, UFMG*

Wild Avant-Garde: The Brazilian Counterculture as Technologies of Dissent *Tiago Chagas Soares, Universidade de Sao Paulo*

Autonomous Technologies Go to War: The UN Debate over Autonomous Weapons Systems and the Socio-Technics of Control *Peter Asaro, The New School University*

Chair:

**Colin Garvey**, RPI

Discussant:

**Langdon Winner**

## **060. Gender in Academia I: Struggling for Gender Balance**

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

The Uneven Development of Gender Balance among University Professors *Knut H Sørensen, NTNU, Dept. Of Interdisciplinary Studies Of Culture*

Managing Gender Balance: How Heads of Departments Deal with Challenges of Equal Opportunities *Siri Øyslebø Sørensen, Norwegian University of Science & Technology (NTNU)*

Gender Issues in a Newly Formed Departmental Committee on Diversity in Physics *Mirjam Fines-Neuschild, Université de Montréal*

Becoming a University Professor: Men and Women's Strategies *Vivian Anette Lagesen, NTNU*

Science Laboratories: Understanding the Relationship of Gender and Science *Chandni Dipak Vadhavana, Central University of Gujarat*

Chairs:

**Knut H Sørensen**, NTNU, Dept. Of Interdisciplinary Studies Of Culture

**Vivian Anette Lagesen**, NTNU

## **061. Antecedents, Interventions and Post-Truth Politics: The Performance and Politicization of Climate Science and Market Fundamentalism**

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Commonwealth*

Participants:

Historicizing Post-Truth: Possible Contributions to a Critique of Populism *Naomi Oreskes, Harvard University - History of Science*

Techniques of Resilience and Resistance in International Climate Policy *Jessica O'Reilly, Indiana University Bloomington*

Hell is Truth Seen Too Late *Philip Mirowski, Univ. of Notre Dame*

The Mediatization of Arctic Change: The Performance and Politics of Near-real-time Sea Ice Data Visualizations *Mark Vardy, Princeton University*

Chair:

**Mark Vardy**, Princeton University

## 062. Academic Evaluation in an Age of "Post Truth" I: "Issues"

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Dalton*

Participants:

The Reproducibility Crisis and Its Critics: Scientists' Evaluations of the Stability of their Findings *Nicole C Nelson, University Of Wisconsin-Madison*

Below the By-line: The Curious Practice of Evaluating Career 'Trajectories' in Academic Biomedicine *Björn Hammarfelt, University of Borås; Alex Rushforth, University of Oxford; Sarah de Rijcke, Centre for Science and Technology Studies (CWTS)*

Peer Review in Mathematics: Degrees of Correctness? *Christian Greiffenhagen, The Chinese University of Hong Kong*

Resistance, Opportunism, or Something Else? Gaming and Manipulation of Academic Metrics Systems *Jo Ann Oravec, University of Wisconsin Whitewater and Madison*

Redefining "Publication" and "Evaluation" *Mario Biagioli, UC Davis STS Program & Law School*

Chair:

**Claes-Fredrik Helgesson**, Linköping University, Technology and Social Change

## 063. Can Improved Science and Technology Mean Progress? I: Barriers

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Exeter*

Participants:

Obduracy: A Barrier to More Intelligent Steering of Spaceflight *Michael Bouchev*

Observing, Inflecting and Comparing Expert Performances of Smart Energy *Erik Fisher, Arizona State University; Anne Hammang, ASU; Anthony Levenda, Arizona State University; Thaddeus Miller, Arizona State University; Jennifer Richter, Arizona State University*

Neglected Tropical Diseases: The Production of Neglect in Policy Problems *Samantha Vanderslott*

Chair:

**Michael Bouchev**



Discussant:

**Taylor Dotson**, New Mexico Tech

## 064. Emerging Technologies and Conservation I

Panel Session

9:00 to 10:30 am

Sheraton Boston: Floor 3 - Fairfax A

Participants:

Anticipation and the Co-Production of Resurrection Science and Policy *Jessica Cavin Barnes, North Carolina State University*

Adapting Restoration Science to a Changing Climate *Shana Lee Hirsch, University of Idaho*

Bioaerosols and the Calibrative Space *Peter Taber, University of Arizona*

Bayesian Predictability as an Entry to Justice-Oriented Futures *Elizabeth Hare*

Understanding Narratives Surrounding the Genetically Modified American Chestnut Tree

Through the Narrative Policy Framework *Jayce Sudweeks, North Carolina State University*

Chair:

**Kathleen Barnhill**, North Carolina State University

## 065. What is '(Un)making' STS Ethnographies? Reflections (Not Exclusively) from Latin America

Panel Session

9:00 to 10:30 am

Sheraton Boston: Floor 3 - Fairfax B

Participants:

Corpo-Real Ethnographies: Bodies, Dissection Planes, and (Non)Difference. Anatomies for the Violent Conflict in Colombia *Santiago Martínez Medina, Universidad de los Andes; Julia Morales Fontanilla, UC Davis*

Decolonizing/Indigenizing: Speculating on 'Ethnography as Healing' *Krishna J Hernandez, UC Santa Cruz*

How Embroidery Can (Un)Stitch Ethnography? *Tania Pérez-Bustos, National University of Colombia*

Labyrinth to Pinwheel: STS Ethnography in an Archive *Amy Cox Hall, Amherst College*

Mestizo Animals: Penguins and Huemules in Two Socio-Technical Controversies *Gloria Baigorrotegui, Instituto de Estudios Avanzados - Usach; Colombina Schaeffer, University of Sydney*

Chairs:

**Fredy Mora-Gámez**, Linköping University

**Santiago Martínez Medina**, Universidad de los Andes

**Tania Pérez-Bustos**, National University of Colombia

## 066. Whiteness and Technoculture I

Panel Session

9:00 to 10:30 am

Sheraton Boston: Floor 3 - Gardner A

Participants:

Digital Apprehensions: Content Moderation and the Policing of Child Pornography *Mitali Thakor*

Already Otherwise: From Assimilation to Possibility as Intersectional Critique of Technoculture *Lilly Nguyen*

"Design Thinking" and the Racialization of Expertise *Lilly Irani, University of California, San Diego*

Chair:

***Lilly Nguyen***

Discussant:

***Jennifer Hamilton***, Hampshire College

## 067. Dynamics of Knowledge: Bioeconomy and Health I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Gardner B*

Participants:

Expertise Data and Accountability from Evidence Based Medicine to Measurement Based Medicine *David Mercer, University of Wollongong*

Molecular Biotechnology and the Political Economy of Cancer Care *Shirley Sun, Nanyang Technological University*

Pink Drill Bits: A Feminist Analysis of Fracking and Breast Cancer Advocacy *Kristen Abatsis McHenry, Spelman College*

Chair:

***Susanne Lettow***

Discussant:

***maria c da costa***, Universidade de Campinas - UNICAMP

## 068. IPBES and Sensing the Politics of Biodiversity

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Hampton A*

Participants:

A Funny Thing Happened On My Way to the Anthropocene *Zoe Nyssa, Purdue University*

Systemic Changes in the Quest for Sustainable Inclusive Development: IPBES Agenda through the Light of a Small Country Case-Uruguay. *Isabel Bortagaray, Universidad de la Republica*

A Lawyer's Perspective on the IPBES: Law and STS as Analytical and Normative Tools *Guillaume Futhazar, University Aix-Marseille / OT-Med*

Buzzing News: Analyzing the Worldwide Media Impact of the IPBES Pollination Assessment *Aleksandar Rankovic, IDDRI; Tommaso Venturini, Sciences Po Paris; Kari De Pryck, Sciences Po / University of Geneva; Virginie Tournay; Isabelle Dajoz, Université Paris-Diderot; Yann Laurans, IDDRI - Sciences Po*

Chair:

**Aleksandar Rankovic**, IDDRI

Discussant:

**Alice Vadrot**, University of Cambridge

## **069. Life and Death of Partnerships in Research and Innovation I**

Panel Session

*9:00 to 10:30 am*

*Sheraton Boston: Floor 3 - Hampton B*

Participants:

Towards Evidence-Based Scientific Collaboration Policy *Adam Ploszaj, University of Warsaw;*  
*Agnieszka Olechnicka, University of Warsaw*

Funding Partnerships in Research and Innovation *Julie Sommerlund, University of*  
*Copenhagen, Faculty of Humanities*

Process Indicators and the Valuation of Research and Innovation Partnerships *Signe Vikkelsø,*  
*Copenhagen Business School; Mikkel Stokholm Skaarup, Copenhagen Business School*

Chair:

**Signe Vikkelsø**, Copenhagen Business School

## **070. Predictability's Promises I**

Panel Session

*9:00 to 10:30 am*

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

Predicting is Dangerous: Experts, Earthquakes, and Avowal *Elizabeth A. Reddy, University of*  
*San Diego*

The Will to Predict: Oil Exploration, Temporality and the Work of Imagination in Turkey  
*Zeynep Oguz, The Graduate Center of the City University of New York*

Predicting the Unpredictable: Making Sense of the Deep Future of Radwaste Disposal *Marika*  
*Hietala, University of Exeter*

Chairs:

**Julianne Yip**, McGill

**Adam Fleischmann**, McGill University

## **071. Postphenomenological Research 4: Mediated Bodies**

Panel Session

*9:00 to 10:30 am*

*Sheraton Boston: Floor 3 - Kent*

Participants:

The Mediated Body: The Human-Technology-World of Disability *Stacey Irwin, Millersville*  
*University*

Technical Self-formation as Taking Responsibility for What You are not Responsible for *Ciano*  
*Aydin, University of Twente (the Netherlands)*

A Third Person Attempt at Getting to the First Person Experience: Assessing Coping in Non-Communicative Patients with a Locked-in Syndrome *Marie-Christine Nizzi, Harvard Psychology Department; Steven Laureys, Harvard University; Christine Moroni, Université Lille*

The Moral Mediation of Sex Selection Practices *Olga Kudina, University of Twente (the Netherlands)*

Chair:

**Don Ihde**, Stony Brook University

## **072. Studying Data Critically I**

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 5 - Riverway*

Participants:

Racial Bias in the Representation of Medical Evidence: Constructing a More Inclusive Picture of Health *Jordan Eschler, University of Washington; Jaime Snyder, University of Washington*

Seeing Like A Platform: The Tensions of Data-Driven Knowledge Production around MOOCs *Shreeharsh Kelkar, University of California, Berkeley*

The Algorithmers *Charlotte Mazel-Cabasse, UC Berkeley*

The Digitalization of Law: How Technologies of Writing Shape the Law, 1980-2010 *Thomas Streeter, University of Vermont*

Visual Thinking: Unpacking Use of Visuals in Data Analytic Learning and Beyond *Samir Passi, Cornell University*

Chair:

**Laura Noren**, New York University

## **073. "NSF speed dating" with STS Program Director Fred Kronz**

10:00 to 12:00 pm

*Sheraton Boston: Floor 3 - 3rd Floor Registration*

## **074. Coffee Break**

10:30 to 11:00 am

*Sheraton Boston: Foyer*

## **075. Feminist STS Analyses of Reproductive Medicine II: ARTs**

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

International Technologies and National Regulations: Limitations of Regulations on Reproductive Technologies in a Globalized World *Skye Miner, McGill University*

Regulating Global Surrogacy: Law's Relations in Family-Making *Sonja Van Wichelen, University of Sydney*

Traveling for Treatment: Bending the Law on the Boundaries of Ethics *Stine Willum Adrian, Aalborg University*  
 Stay Home or Go Abroad? Egg Donation in Japan *Minori KOKADO, Osaka University, Japan; HYUNSOO HONG; Azumi Tsuge, Meijigakuin University*

Chair:

**Skye Miner**, McGill University

## 076. Interrogating Food Science and Technology II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

Making Meaningful Differences: Meta-Analyses on Organic Agriculture as Contested Zones of Science and Politics *Tomi Lehtimäki, University of Helsinki*

Narrow 'Scientific' Indicators as Normative Visions: Analyzing Food Security, Yield and Alternative Criteria *Brian Wynne, Lancaster Univ.; Georgina Catacora-Vargas, AGRUCO/UMSS*

Exploring Predictions about Hybrid Potato Breeding *Rosanne Edelenbosch, Rathenau Institute; Koen Beumer*

The (In) Sensibilities of Regulating the Natural: Reading the FDA Docket *charlotte biltekoff, UC Davis*

Chair:

**Christy Spackman**, Harvey Mudd College

Discussant:

**Jacob Lahne**, Drexel University

## 077. Anthropocene, Capitalocene, Technoscience II: Enacting Future(s) in a Capitalocene-Anthropocene Frame

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

Crafting Nature, Collecting for the Future: Towards an Ontology of Museum Genomics *Adrian Van Allen, UC Berkeley*

Co-Producing Risk Assessment and Consequences: Climate Change Adaptation Planning In New York City *Myriam Figueroa, Cornell University*

Claiming and Making the Future in Climate Engineering Research *Sean Low, Institute for Advanced Sustainability Studies (IASS); Stefan Schäfer, Institute for Advanced Sustainability Studies*

Green-Washers, Prophets of Doom or Vault Constructors? Noosphere and Knowledge Policies in Anthropocene *Andrzej Wojciech Nowak, Philosophy Institute Adam Mickiewicz University*

Chair:

**Andrzej Wojciech Nowak**, Philosophy Institute Adam Mickiewicz University

Discussant:

**Jason Moore**, SUNY Binghamton

## **078. Sounding Worlds: Listening as Transformative STS II**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Cynical Soundings: The Dappled World of the Dog's Bark *Matthew Battles, metaLAB at Harvard/Berkman Center*

The New Soundscape Cartographers *Mickey Vallee, Athabasca University*

Sounding Maritime Metal: Listening to Global Trade at Sea *Nicholas Anderman, University of California, Berkeley*

(En)Sounding the Ephemeral *Daniel Alberto Restrepo, University of Ottawa; Marie Lecuyer, University of Ottawa*

Chairs:

**julie laplante**, University of Ottawa

**David Jaclin**, University of Ottawa

Discussant:

**Stefan Helmreich**, Massachusetts Institute of Technology (MIT)

## **079. Objects, Made and Moved: Coherence and Materiality in the Making of Post/colonial Scientific Discourses**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Sacred Acoustic Inspectors: Ghanaian State and Noise-Abatement during the Homowo Festival *Mariam Goshadze, Harvard University*

Technologies of Infection: Trains, Telegraphs, and Tools in Guatemalan Experimental Medicine *angel rodriguez, Harvard University - History of Science*

The Trans-Atlantic Schistosome: The wartime travels of *Schistosoma haematobium* between Cairo to New York *Jennifer L Derr, University of California, Santa Cruz*

The Itinerant Life of Florida Water: Profane Perfume, Colonial Cure, to African Diasporic Elixir *Khytie Brown, Harvard University*

The Ontology of a Mixed-Race Woman *Myrna Sheldon, Harvard University*

Chair:

**Ahmed Ragab**, Harvard University

## **080. Bodies, Technologies, and In/Sensibilities in Movement II**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Enacting Lance: Singularizing (and Cleansing) an Extended Body in Techno-Sport *Samuel Haraway, University Of California Davis*

Locative Media: New (Im)Mobilities of Bodies in Public Spaces *Eric Lettkemann, Technische Universität Berlin; Ingo Schulz-Schaeffer, Technical University of Berlin*

Walking the Walk: High Heels, Embodied Skills, and Sensory Thrills *Christopher Hesselbein, Cornell University STS*

Sonic Experiments in Drone Warfare *Ayesha Omer, New York University*

Waves of Simulation *Michael James Roberts, San Diego State University*

Chair:

**Robin Rae**

## **081. Expert Opinions: How Social Scientists Influence Policymaking**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

How Sexuality Knowledge Shapes LGBTQ Sociopolitical Life: The Case of Expert Evidence in Obergefell *Jamie Louise Budnick, University of Michigan, Department of Sociology*

Economizing the Social: The Midcentury Emergence of Education and Health Economics *Zach Griffen, UCLA*

Mind the Gap: Politics, Policy, and the Stylized Facts of Gender Inequality *Daniel Hirschman, Brown University*

Fairness in the Field: The Ethics of Resource Allocation in Randomized Controlled Field Experiments *Margarita Rayzberg, Northwestern University*

Chair:

**Daniel Hirschman**, Brown University

Discussant:

**William P. Deringer**, Massachusetts Institute of Technology (MIT)

## **082. Making Sense of Autonomous Technologies II: Technics of Autonomy**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Autonomous Vehicles As Sensing Robots and As Forms of Life *Charles Boyd, James Madison University; Chase Shelton Collins, James Madison University; Emily York, James Madison University; Shannon Conley, James Madison University*

Two Issues in Human-Autonomous Car Interactions *Keita Sugihara, Nanzan University*

All Watched Over: Networked Agency, Autonomy, and Control of the Self-Driving Car *Erik Stayton, MIT*

Dynamic, Multi-Factor Motivational Systems Are Required for Truly Autonomous Agents  
*William McMillan, Concordia University*

Chair:

**Langdon Winner**

Discussant:

**Colin Garvey**, RPI

### **083. Gender in Academia II: Making Way in Academia**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Understanding and Negotiating Difference through Integrative Graduate Training *Christina Crespo, University of Georgia*

Should I Stay or Should I Go? How Young Scholars Perceive Their Future in Academia *Guro Korsnes Kristensen, Norwegian University of Science and Technology; Siri Øyslebø Sørensen, Norwegian University of Science & Technology (NTNU)*

Questioning the Mobile-Male / Trailing-Female Pattern of Academic Mobility. The Case of Switzerland. *Marie Sautier, University of Lausanne; Nicky Le Feuvre, University of Lausanne*

Brazilian Technical and Technological Education: Where are the Women *Cintia Tortato, Instituto Federal do Paraná*

Chair:

**Knut H Sørensen**, NTNU, Dept. Of Interdisciplinary Studies Of Culture

Discussant:

**Vivian Anette Lagesen**, NTNU

### **084. 2017 Fleck Prize winner: Judy Wajcman's Pressed for Time**

Author Meets Critic

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Commonwealth*

Chair:

**Ingrid Erickson**, Rutgers, State Univ of New Jersey

Author:

**Judy Wajcman**, LSE

Panel Members:

**Melissa Mazmanian**

**Steven Jackson**, Cornell University

**Paul Dourish**, University Of California Irvine

**Sheila Jasanoff**, Harvard University

### **085. Academic Evaluation in an Age of "Post Truth"II: "Outlooks"**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Dalton*



Participants:

Beyond Managerialism: Academic Rating and Ranking as a Solidarity Saving Device *Mikhail Sokolov, European university at Saint Petersburg, Russia*

Efficiency as Conditional Truth in Research?: Rules of the Road from a Japanese Perspective *William S Bradley, Ryukoku University*

Legitimacy Crises, Politicisation, and Normative STS: Seeking Sincerity in Public Climate Change Debates *Bernhard Isopp, York University*

Mishaps and Mistakes in Academic Evaluation *Claes-Fredrik Helgesson, Linköping University, Technology and Social Change; Stephen Woolgar, Univ. Oxford*

Chair:

**Mario Biagioli**, UC Davis STS Program & Law School

## 086. Can Improved Science and Technology Mean Progress? II: Re-visioning

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Exeter*

Participants:

Progress through Sociotechnical Dismantling? Conceptualizing Luddism for the 21st Century *Taylor Dotson, New Mexico Tech*

Supporting Urban Innovation: A Critical Assessment of Two Models *Matthew Claudel, Massachusetts Institute of Technology*

Can Improved Science and Technology Studies Mean More Intelligent Progress? *Aftab Mirzaei, York University*

From Counter-Myths to Institutional Mechanisms: Pursuing Alternative Innovation Pathways in a Spirit of Democratic Experimentalism *Cameron Keys, U.S. Army Budget Office*

Chair:

**Taylor Dotson**, New Mexico Tech

Discussant:

**Michael Bouchey**

## 087. Emerging Technologies and Conservation II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Fairfax A*

Participants:

Envisioning Responsible Innovation in Biotechnology for Conservation: Engagement, GM Chestnut Trees, and Gene Drive Mice *Jason A. Delborne, North Carolina State University*

Gene Drives over the Horizon: A Model, for Anticipatory Governance *Gregory Alan Backus, North Carolina State University; Jason A. Delborne, North Carolina State University*

Re-ENLISTing Actors and Actants: Market Devices for the 2,4-D Herbicide *Victor Pelaez, UFPR - Federal University of Paraná; Leticia Rodrigues da Silva, Federal University of Parana*

Biobanks as Mediating Infrastructures for Conservation? *Antoine Dore, INRA*

Chair:

**Jessica Cavin Barnes**, North Carolina State University

Discussant:

**Kathleen Barnhill**, North Carolina State University

## **088. Entangled Sciences of Gender, Sexuality, Race: Latin American Issues**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Fairfax B*

Participants:

The Warm and the Cold: Decolonizing Medical Space in Plurinational Bolivia *Gabriela Morales*

Doubly Disadvantaged: The Recruitment of Diverse Subjects for Clinical Trials in Latin America  
*Manuela Fernandez Pinto, Universidad de los Andes*

One World or Many? Gender, Sexuality and Race Issues *Sandra Harding, University Of California Los Angeles (Ucla)*

HPV vaccine in Carmen de Bolívar (Colombia): crisis, rumors and nonsense *Zandra Pedraza, Universidad de los Andes*

Chairs:

**Tania Pérez-Bustos**, National University of Colombia

**Sandra Harding**, University Of California Los Angeles (Ucla)

**Manuela Fernandez Pinto**, Universidad de los Andes

Discussant:

**Raoni Rajão**, Federal University of Minas Gerais (UFMG)

## **089. Whiteness and Technoscience II**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Gardner A*

Participants:

Sexy Data *Patrick Keilty, University of Toronto*

“Surrogate Humanity and the Problem of Whiteness in a “Post” Labor Era” *Neda Atanasoski, University of California Santa Cruz; Kalindi Vora, University of California San Diego*

Multidimensional Sensing: Expanding Bio-surveillance across Object-Human-Animal Borders  
*Felicity Amaya Schaeffer, University of California Santa Cruz*

Chair:

**Kalindi Vora**, University of California San Diego

Discussant:

**Jennifer Hamilton**, Hampshire College

## **090. Dynamics of Knowledge: Bioeconomy and Health II**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Gardner B*

Participants:

Producing a Blood-Screening Test in Brazil: Blood Safety Economy and Technological Nationalization *Koichi Kameda; Marilena Corrêa, Institute of Social Medicine, State University of Rio de Janeiro; Maurice Cassier, CNRS/France*

Post-Pharmaceutical Health and the Global Bioeconomies of Regenerative Medicine: Towards a Politics of Surplus Vitality? *Christian Haddad*

Profit and Public Good in HPV Vaccine Innovation at the National Cancer Institute *Natalie Aviles, University of California, San Diego*

The Actionability of Exome Sequencing Testing Results *Stefan Timmermans; Tanya Stivers, UCLA*

Chair:

**maria c da costa**, Universidade de Campinas - UNICAMP

## 091. Preserving Culture, Preserving Software

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Hampton A*

Participants:

Video Ethnography as Software Preservation *David C. Brock, Computer History Museum*

Xerox Alto Software Restoration at The Computer History Museum *Hansen Hsu, Center for Software History, Computer History Museum*

Wikidata as a Semantic Framework for Digital Preservation Technical Registry Data *Kat Thornton; Euan Cochrane, Yale University*

Varied Sensibilities in Software Preservation: Demonstrating a Comparative Approach *James A Hodges, Rutgers University*

Chair:

**David C. Brock**, Computer History Museum

Discussant:

**Hansen Hsu**, Center for Software History, Computer History Museum

## 092. Life and Death of Partnerships in Research and Innovation II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Hampton B*

Participants:

Innovation for Health or Economic Gain: An Analysis of “Competing Logics” in Health Innovation Policy *James Shaw, Women's College Hospital; Renata Axler, University of Toronto; Payal Agarwal, Women's College Hospital; Laura Desveaux, Women's College Hospital; Sara Shaw, University of Oxford*

Unstable Partnership as both Strategy and Tactics: Knowledge Innovation System in China *Wen-Ching Sung, University of Toronto*

“Data for Good”: Harbinger of Social Sector Change? *Anissa Tanweer, University of Washington; Brittany Fiore-Gartland, eScience Institute*

The Plural Trajectory of a Nuclear Demonstrator in the Workshop of History: The Case of  
*ASTRID Guy Minguet, IMT Atlantique Nantes; stéphanie tillement, Institut Mines Telecom  
 Atlantique; Frederic Garcias, IAE Lille*

Chair:

**Julie Sommerlund**, University of Copenhagen, Faculty of Humanities

### 093. Predictability's Promises II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

A Future Yet to Come: Predictability and Uncertainty in Personalized Medicine in Switzerland  
*Nolwenn Bühler, University of Lausanne; Gaia Barazzetti, University of Lausanne; Alain  
 Kaufmann, University of Lausanne*

(In)Sensibilities of STS in the Economy of Scientific Promises *Marc Audetat*

Neoliberal Technological Longings for the Predictable Yet Flexible Employee *Ilana Gershon,  
 Indiana University*

Fixing the Future: Testing and Anticipatory Repair *Benjamin Hayden Sims, Los Alamos  
 National Laboratory*

Chair:

**Elizabeth A. Reddy**, University of San Diego

### 094. Postphenomenological Research 5: Artifacts and Selves

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Kent*

Participants:

The Sensible Thing: Should Postphenomenology Be Object-Oriented? *Yoni Van Den Eede, Free  
 University of Brussels (VUB)*

Irreplaceability and Vulnerability: How Machines Become Moral Agents *Shoji Nagataki*

A Speculative Approach to Postphenomenology *Roisin Lally, Gonzaga University*

Transcendental, Transcendent and Transcending Technologies *Jonne Hoek, University of  
 Twente (the Netherlands)*

Chair:

**Peter-Paul Verbeek**, University of Twente

### 095. Studying Data Critically II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 5 - Riverway*

Participants:

Authoritarian and Democratic Theories of Social Experimentation in 20th Century US Industry  
 and Policymaking *Jorge Nathan Matias, MIT Center for Civic Media*

Infrastructure's Hail: Data-Service Infrastructure and Transformations to Social-Ecological Synthesis Science *Charles Hahn, University of Washington*

Linked Objects, Inferred Subjects: Configuring the Performative Potential Through Data Science in the UK Census *Baki Cakici, Goldsmiths, University of London*

Data Science Interdisciplinarity: Methodological Fluidity, Disciplinary Boundaries *Laura Noren, New York University; Brittany Fiore-Gartland, eScience Institute*

Autoethnographic Methods for Studying Data-Driven Knowledge Production *R. Stuart Geiger, UC-Berkeley; Charlotte Mazel-Cabasse, UC Berkeley; Brittany Fiore-Gartland, eScience Institute*

Chair:

**Charlotte Mazel-Cabasse**, UC Berkeley

## **096. 4S Business Meeting**

Business Meeting

12:30 to 2:00 pm

*Sheraton Boston: Floor 3 - Beacon D*

## **097. Ethnografilm Dailies I**

Lunchtime Workshop

12:45 to 1:45 pm

*Sheraton Boston: Floor 3 - Commonwealth*

## **098. Image, Material, Transfer: A Materials Lab Workshop**

Lunchtime Workshop

12:45 to 1:45 pm

*Sheraton Boston: Olmstead*

Presenters:

**Francesca Bewer**, Harvard Art Museums

**Ethan Lasser**, Harvard Art Museums

Chair:

**Grace Kim**, Massachusetts Institute of Technology (MIT)

## **099. Getting Out The 1,000 Words 1: Op-ed and Short Form Public Writing Panel Discussion**

Lunchtime Workshop

12:45 to 1:45 pm

*Sheraton Boston: Floor 5 - Riverway*

Presenters:

**Maria Balinska**, The Conversation

**David Corcoran**, MIT Knight Science Journalism

**David Kaiser**, MIT

**Seth Mnookin**, MIT

**Naomi Oreskes**, Harvard University - History of Science

Chair:

**Heather Paxson**, Massachusetts Institute Of Technology

## 100. "NSF speed dating" with STS Program Director Fred Kronz

1:00 to 3:00 pm

*Sheraton Boston: Floor 3 - 3rd Floor Registration*

## 101. Making and Doing Presentations

Panel Session

1:00 to 4:00 pm

*Sheraton Boston: Floor 2 - Grand Ballroom*

Participants:

(T)racing Eyes and Hearts: An Installation to Explore the Physiology of Empathy *Regan Lawson, Georgia Institute of Technology; Udaya Lakshmi Tattamangalam Ananthanarayanan, Georgia Institute of Technology; Shruti Dalvi, Georgia Institute of Technology; Nassim Jafarinaimi, Georgia Institute of Technology; Anne Pollock, Georgia Tech; Lewis Wheaton, Georgia Tech*

A STS STEM Education Incubator: The Co-Making of Inquiry *Nicole Mogul, UMD; David Tomblin, University of Maryland, College Park; Matthew Aruch, University Of Maryland College Park*

AirTRACS: Community-based Air Quality Monitoring *Maria Michails, Rensselaer Polytechnic Institute*

Biomaterial Matters: Fitting Humans into Cocoons, A Speculative Prototype *Lisa Onaga, Nanyang Technological University; Laura Forlano; Galina Mihaleva, Nanyang Technological University; Anne McKnight, Shirayuri University*

Collaborative urban sensing with the "Dustbox" air quality monitor *Lara Houston, Goldsmiths, University of London; Jennifer Gabrys, Goldsmiths, University of London; Helen Pritchard, Goldsmiths University of London*

Construction Sets for DIY Medical Technologies and their Black Box Counterparts: An interactive exhibit *Anna K Young, MIT; Nikolas Albarran, MIT; Amy Moran-Thomas, MIT; Jose F Gomez-Marquez, MIT*

Data Sense Dawn Nafus, *Intel*

Design Workbook Variations: Exploring Biosensing Privacy Futures *Richmond Y Wong, University of California, Berkeley; Ellen Van Wyk, University of California, Berkeley; James Pierce, University of California, Berkeley*

Detoxifying the Environment across Temporalities *Nick Shapiro*

Doing STS at the science/policy intersection: Making the next generation of boundary-crossing practitioners *Eric Kennedy, Consortium for Science, Policy, and Outcomes - Arizona State University; Matthew Harsh, Concordia University*

Emotional Interpretation & Materiality of Biosensing *Noura Howell, School of Information, UC Berkeley*

Empirical prints and contrapuntal inscriptions *Kasper Ostrowski, Aarhus University*

Engineering Comes Home: Co-designing Local Infrastructure with Residents of a London Housing Estate *Charlotte Johnson, UCL; Sarah Bell; Aiduan Borrion, University College London; Robert Comber, Newcastle University; Kat Austen, iilab; Jun Matsushita, iilab*

Face-off! Platform versus Self: A photobooth experiment *Marie Steensen, Aarhus University, Denmark; Annette Markham, Aarhus University Center for STS; Mette Hegaard, Aarhus University, Centre for STS-studies; Maria Thing Nielsen, Aarhus University, Centre for STS-studies; Lydia Choi, Aarhus University, Centre for STS-studies; Julie Bredholt, Aarhus University, Digital Living Research Commence; Jette Mia Johansen, Aarhus University, Information Studies, Digital Living*

Feminist Theory Theater *Yelena Gluzman, UCSD; Sarah Klein, University of California, San Diego*

Generative STEM: Circulating Unalienated Value in Education, Labor and Environment *Michael Lachney, Rensselaer Polytechnic Institute; Audrey Bennett, Rensselaer Polytechnic Institute; Daniel Lyles; Zoe Zatz, Rensselaer Polytechnic Institute; William Babbitt, Rensselaer Polytechnic Institute; David Banks, Rensselaer Polytechnic Institute; Ron Eglash, Rpi*

Getting a Sense of the Place: Navigating FemTechNet's Critical Race and Ethnic Studies Workbook *George Hoagland, Minneapolis College of Art and Design; Veronica Paredes, University of Illinois at Urbana-Champaign; Ann Wu, University of Illinois Urbana Champaign*

Handholds: making sense of bodies through slaughter *Kara Wentworth*

Integrating STS into Bioethics and Medical Humanities Programs *Julia Knopes, Case Western Reserve University*

Making and Doing STS with Undergraduate Engineers: The UVA Approach *Caitlin Donahue Wylie, University of Virginia; Sean Ferguson, Engineering and Society, University of Virginia; Toluwalogo Odumosu, University of Virginia; Rider W Foley, University of Virginia; Benjamin Laugelli, University of Virginia; Peter Westin, University of Virginia; Bryn Whiteley*

Making Sensible in 360° *Alexandra Sharp Lippman, University of California, Davis*

Our Driverless Futures: Speculating Moral Dilemmas of Self-Driving Cars *Lorina Mercado Navarro, Georgia Institute of Technology*

Pedal Transcriba, an Ethnographic Device of (and for) Qualitative Research *Luis Felipe Rosado Murillo, CNAM/IFRIS*

Politicizing the scientific self through media interventions *Anna Durnova, Institute for Advanced Studies, Vienna - Technoscience and Societal Transformation*

Presenting the Collaborative Research Toolkit (v.02): a copyleft resource for the co-design of experiments and research processes *Enric Senabre Hidalgo, IN3 - Open University of Catalonia // CECAN - University of Surrey*

QEERI's Science Majlis *Anto Mohsin, Northwestern University in Qatar; Jemina Legaspi, Northwestern University in Qatar*

Rethinking Citizen Science through doing Citizen Science *Brian Robert Callahan, Rensselaer Polytechnic Institute; James Dylan Rees, Rensselaer Polytechnic Institute*

STS approaches to public engagement with science: Synthetic biology *Rae Ostman, Arizona State University; Ira Bennett, Arizona State University; Stephanie Long; David Sittenfeld, Museum of Science; Jameson Wetmore, Arizona State University*

- Situated Intervention in Medical Guidelines: Appraising and Including Different Knowledge (AID Knowledge) *Teun Zuiderent-Jerak, Department of Thematic Studies - Technology and Social Change, Linköping University*
- STS Design and Innovation: Disciplinary Discomfiture *Dean Nieusma, Rensselaer Polytechnic Institute; James Malazita, Rensselaer Polytechnic Institute*
- STS Olfactorium *Morana Alac; Evelyn Walker, UCSD*
- Technological theory for all: Teaching experiments on STS in Chile *Martin Andrés Perez Comisso, SFIS - Arizona State University*
- The making of an undergraduate Sociotechnical Ethics Society *Jennifer Terrell, Indiana University*
- The Trial Balloon: buoyancy, embodied media, and patchy planetarity *Matthew Battles, metaLAB at Harvard/Berkman Center*
- Toward Improving Public Policy for Structural Engineering Design of Bridge, Transportation, and Marine Infrastructure *Julie Mark Cohen, Julie Mark Cohen, PhD, PE, SECB*
- Tracing Design Ecologies *Daniel Cardoso Llach, Carnegie Mellon University*
- Undergraduate STSers Learn by Doing in the Trump Era *Jane Lehr, California Polytechnic State University; Matt R. Klepfer, California Polytechnic State University*
- What it is to see: a simulation of artificial vision *Cordelia Erickson-Davis, Stanford University*
- Zika and Feminist STS: Building a Network, Doing Collective Scholarship *Alexandra Minna Stern, University of Michigan; Laura Mamo, SF State; Susan E. Bell, Drexel University; Anne Figert, Loyola University Chicago; Ann Kelly, University of Exeter; Kristy Birchard, Drexel University; Sueann Caulfield, University of Michigan; Ilana Lowy, Cnrs-Cermes; Vanessa Grotti, European University Institute, Florence, Italy; Debora Diniz, International Women's Health Coalition, University of Brasilia, Brazil*
- Connecting-Probing-Reflecting Spaces: The New England Workshop on Science and Social Change (NewSSC) *Peter J. Taylor, UMass Boston*
- Environmental Data and Governance Initiative: Engaged STS Responding to the U.S. Administration *Michelle Murphy, University Of Toronto; Sara Wylie, Northeastern University; Jerome Whittington; Joan Donovan, Data & Society Research Institute; Rebecca Lave, Indiana University Department Of Geography; Nick Shapiro*
- Snowden Surveillance Archive *Andrew Clement, University of Toronto*

## 102. Cryo (In)Sensibilities: Reproduction in the Age of Ice I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

- Legal conceptions: Shifting Values, New technologies, and Regulations of Egg Donors in Taiwan *YULING HUANG, National Cheng Kung University*
- Finitude and the Frozen Egg: Posthumous Conceptions in the Age of Cryopreservation *Lucy van de Wiel, University of Cambridge*



Grandparents Demanding Genetic Grandchildren: What can Posthumous Reproduction Teach us about Israeli Family Norms? *Yael Hashiloni-Dolev, Academic College of Tel-Aviv-Yaffo, Israel; Zvi Triger, The college of Management Academic Studies, Israel*

Putting Menopause on Ice? Cryopreserved and Transplanted Ovarian Tissue as Naturalized Estrogen Booster *Charlotte H. Kroløkke, University of Southern Denmark*

Chair:

**Charlotte H. Kroløkke**, University of Southern Denmark

Discussant:

**Janne Rothmar Herrmann**

### 103. Bestial Technoscience: Nonhuman Animals as Technology and in Scientific Practice

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

Multispecies Touch: A Mine Detection Dog and His Human Trainer *Diana P Pardo Pedraza, University of California Davis*

The Apian Pharmacopeia *Chloe Silverman, Drexel University*

"Fast Food for Lab Mice: Umami Taste Mechanisms in Non-Human Animals and How They Relate to Doritos" *Sarah Tracy, University of California, Los Angeles*

Dispelling the Mythological Animal Relations and Identity Theories of Technoscience Apologists *Elan Ohayon, Green Neuroscience Laboratory; Paul Tsang, University of Toronto; Ann Lam, Physicians Committee for Responsible Medicine*

Chairs:

**Jia Hui Lee**, Massachusetts Institute of Technology (MIT)

**Diana P Pardo Pedraza**, University of California Davis

**Luisa Reis Castro**, Massachusetts Institute of Technology (MIT)

Discussant:

**Sarah Tracy**, University of California, Los Angeles

### 104. Perspectives on "Structural Disaster": Critical Comparative Analysis of Investigation and Insensibility in Extreme Events

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

The Resilience Machine: Global Disaster Research and Policy since the 1990s *Scott Knowles*

What Went Wrong? Investigating the Sewol as a Structural Disaster in South Korea *Chihyung Jeon, KAIST; Sangeun Park, People's Solidarity for Social Progress, South Korea*

Structural issue of Japanese science communication: an analysis of two cases of stem cell hype and the 3.11 extreme situation. *Ryuma Shineha, Seijo University; Mikihiro Tanaka, Waseda University*

The Problem of Vulnerability in Weather Disaster Communication *Jennifer J Henderson, Virginia Tech*

Institutionalized Insensitivity to “Structural Disaster” *Miwao Matsumoto, The University of Tokyo*

Chair:

**Ryuma Shineha**, Seijo Univerisity

Discussant:

**Kim Fortun**, University of California Irvine

## 105. Crippling Feminist Technoscience

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Crip Technoscience Manifesto *Aimi Hamraie, Vanderbilt University; Kelly Fritsch*

A Care for Being More (Cap-)Able *Cynthia Bennett, University of Washington; Alex S Taylor, Microsoft Research*

Deaf Gain and Technoscience *Kristoffer Whitney, Rochester Institute of Technology*

Queer Feminist Speculations on the Transnational and Participatory Governance of Mitochondrial Replacement Techniques *Jacquelyne Luce, Mount Holyoke College*

Difference in the World of Heart Cyborgs. Material Practices of Passing *Nelly Oudshoorn, University Twente*

Chair:

**Kelly Fritsch**

## 106. Places, Remade: Scientific Discourses and the Making of Places in the Postcolonial Context

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

The Field Hospitals of Egypt's Arab Spring: Practicing Medicine in Political Tumult *Soha Bayoumi, Harvard University - History of Science*

Cross-Border Reproductive Travel and the Remaking of Northern Cyprus as Turkey's Ethical Grey Zone *Burcu Mutlu*

La Panamericana: Contested modernities and technological landscapes in the Americas *Juana Becerra*

Disappearing Spaces: Mapping Egypt's Desert across the Colonial Divide *Chloe Bordewich, Harvard University*

The Pleasures of Healing: Sex, Medicine and Orientalism in Contemporary Bathhouses in the United States *Shireen Hamza, Harvard University - History of Science*

Chair:

**Soha Bayoumi**, Harvard University - History of Science

Discussant:

**Heather Paxson**, Massachusetts Institute Of Technology

## **107. The Sensibilities of Games: Bodies, Mechanisms, Platforms**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Touching You, Touching Me: Getting the Physics Right in EA FIFA *Carlin Wing, Scripps College*

Divide and Conquer: Game Engines and the Division of Labor in Game Development *Laine Nooney, New York University*

Making Tangible: Rumble and the Semiotic Regime of Gamic Touch *David Parisi, College of Charleston*

Chair:

**David Parisi**, College of Charleston

## **108. Feelings and Doubt in Technoscience**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

Schadenfreude as an Inscription Device: Toward an STS Theory about the Work of Perverse Pleasure for Data Science *Monika Sengul-Jones, University of California, San Diego*

Deconstruction and Repair *Dana Simmons, University Of California Riverside*

Sensibilities of the Flesh: HPV Vaccination, Knowledge-Making and Protection in Barbados *Nicole Charles, University of Toronto*

Sound of Mind: The Automation of Psychiatric Listening and Assessment *Beth Semel, Massachusetts Institute of Technology (MIT)*

The Ethics of Access in a Post-Fact Environment: Institutional Circuitry and Informational Value *Melanie Feinberg, University of North Carolina at Chapel Hill*

Chairs:

**Monika Sengul-Jones**, University of California, San Diego

**Amanda Menking**, University of Washington (Information School)

Discussant:

**Charles Luke Alan Stark**, Department of Sociology, Dartmouth College

## **109. Making Sense of Autonomous Technologies III: Futures, Possibilities, Reconstructions**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

When Jibo Giggles: Interrogating the Assumptions of Emotion in Speech Research *Sarah Bell, Michigan Technological University*

Conversational Interfaces: Speaking with Irresponsible Black-Boxes *Raúl Tabarés, Fundación TECNALIA RESEARCH & INNOVATION*

Evaluating Barriers to the Democratization of AI R&D *Colin Garvey, RPI*

Chair:

**Atsushi Akera**, RPI

Discussant:

**Atsushi Akera**, RPI

## 110. Professions and Professionalization

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Policy and Women in Science: The Israeli Case *Jamila Elnashef, Tel Aviv University*

The Reversed Brain Drain: A Mixed-method Study of the Reversed Migration of Chinese Overseas Scientists *Xiao Lu, Institutes of Science and Development, Chinese Academy of Sciences*

Can Peer Review be Objective? *Misha Teplitskiy, Harvard University; James Evans, University of Chicago; konrad kording, northwestern university; daniel acuna, Syracuse University; aida raoult, Ecole Supérieur de Physique et de Chimie Industrielle*

Chair:

**Misha Teplitskiy**, Harvard University

## 111. STS after Truth: Narrative, Translation, and Advocacy

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Commonwealth*

Participants:

Truth in Question? An STS Perspective on the Current Crisis of Democracy. *Davide Orsini, Mississippi State University*

In Defense of Bureaucracy: Heroes of the Administrative State *Anna Weichselbraun, Center for International Security and Cooperation, Stanford University*

Democracy, Experts, and the People: Narratives on "Facts" and Deception *Markus Arnold, Alpen-Adria-Universität Klagenfurt | Wien | Graz*

Ignorance Studies: The Return of Ideology Critique? *Johan Soderberg*

Chairs:

**Davide Orsini**, Mississippi State University

**Anna Weichselbraun**, Center for International Security and Cooperation, Stanford University

Discussant:

**Sheila Jasanoff**, Harvard University

## 112. Academic Evaluation in an Age of "Post Truth"III: "Fixes"

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Dalton*

Participants:

Pre-Truth as a Means to Discount Politics in UK Academic Research Assessment *Sveta Milyaeva, Goldsmiths, University of London; Daniel Neyland, Goldsmiths, University of London*

Temporalities of Truth: Peer Review's Futurity in Terms of Credit and Debt, Co-Existence vs. Competition *Alexa Faerber, HafenCity University Hamburg*

Crafting Transparency and Accountability: Evaluation of Models, Metrics and Platforms of the Gates Foundation *Manjari Mahajan, New School University*

Evaluative Inquiry: Toward Experimental Modes of Assessing the Values of Academic Work *Sarah de Rijcke, Centre for Science and Technology Studies (CWTS); Thomas Franssen, University of Amsterdam; Maximilian Fochler, University Of Vienna; Tjitske Holtrop; Thed Leeuwen, Centre for Sciences & Technology Studies (CWTS), Leiden University; Alex Rushforth, CWTS, Leiden University; Clifford Tatum, CWTS - Leiden University; Paul Wouters, Centre for Science and Technology Studies, Leiden University*

Chair:

**Stephen Woolgar**, Univ. Oxford

Discussant:

**Michele Lamont**, Harvard University

### 113. Social Studies of Politics I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Exeter*

Participants:

"Cooperation:" Water and the Articulation of Regimes of Governance in California *Patrick Carroll*

Drone Development as Boundary Making: Firebees and the U.S. Nation in the Cold War *Iván Chaar-López, University of Michigan*

Indicators and Valuations Technologies: Assembling Solidarity in Europe *Fredy Mora-Gámez, Linköping University*

State Affect and Techno-Political Governance *Nicholas James Rowland, The Pennsylvania State University; Govind Gopakumar, Concordia University; Jan-Hendrik Passoth, Technische Universität München*

Chair:

**Jan-Hendrik Passoth**, Technische Universität München

### 114. Structural Inequality and STS

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Fairfax A*

Participants:

DeColonizing DNA: Race, Seeds, and Intellectual Property Regimes in Colombia *Nathalia Hernandez Vidal, Loyola University Chicago; Kelly Moore, Loyola University Chicago*

Invisible Inventors: Cumulative Disadvantage in the Global Value-chain of Invention *Logan Dawn April Williams, Michigan State University*

Engineering the Island: The State, Technoscience, and Vulnerability in Singapore *Sulfikar Amir, Nanyang Technological University*

Producing Undone Science: Suppression, Industry, and Mobilized Publics *David J Hess, Vanderbilt*

Expert-Movement Interpenetration: Evidence from Two Boston-Area Social Movements *Scott Frickel, Brown University; Aaron Niznik; Apollonya Porcelli, Brown University; Amy Teller, Brown University*

Chair:

**Daniel Lee Kleinman**, Boston University

## 115. Clashing Environments and Environmentalisms in Latin America I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Fairfax B*

Participants:

Climate Modeling In Brazil: A Geopolitical Infrastructure *Jean Carlos Hochsprung Miguel, Federal University of São Paulo*

"The Beggar on a Bench of Gold": Competing Socialist and Capitalist Ideologies on the Peruvian Anchovy Fishery, 1968-1990 *Apollonya Porcelli, Brown University*

'Technological Traps': Standardized Agricultural Packages and Social-Ecological Conflicts. The Case of Soybean Production in Bolivia *Georgina Catacora-Vargas, AGRUCO/UMSS; Brian Wynne, Lancaster Univ.*

Chair:

**Raoni Rajão**, Federal University of Minas Gerais (UFMG)

Discussant:

**Raoni Rajão**, Federal University of Minas Gerais (UFMG)

## 116. Working at the Edges: Migrants, Women, and Minorities in Technosciences

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Gardner A*

Participants:

Discover the Silent Voice in the U.S. S&E Workforce: Chinese Immigrant Women Scientists and Engineers *Diane Gu, UCLA*

Theoretical Limits in Understanding Big Technoscience Projects *Sharon Traweek, UCLA*

Transnational Ties: Technoscientists at Women's Colleges in Japan and the U.S. in the 20th Century *Vivian Wong, University of California, Los Angeles*

Gendering Rivets: Women's Work in War *Stefka Hristova, Michigan Technologic University*

Chair:

**Sharon Traweek**, UCLA

## 117. Biotechnology and Bioeconomy

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Gardner B*

Participants:

Genetically Engineered Animals, Risks and Regulations *zahra meghani, University of Rhode Island; Jennifer Kuzma, North Carolina State University*

Networks, Alliances and Social Capital in Innovation Processes: Biotechnology in Puebla, Mexico, and Bologna, Italy *Jose Francisco Romero-Muñoz, Benemérita Universidad Autónoma de Puebla; Rollin Kent, Autonomous University of Puebla*

STS Sensibilities and the Practical Integration of STS Knowledge into Social and Economic Life: Nanotechnology, Neurotechnology *Michael Reinsborough, Department of Health and Social Science, University of the West of England, Bristol*

Chair:

**Jose Francisco Romero-Muñoz**, Benemérita Universidad Autónoma de Puebla

## 118. Precision Medicine, Race/Ethnicity, and Public Health in Comparative Perspectives

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Hampton A*

Participants:

Can Genomics Improve Population Health Without Exacerbating Health Inequalities? Public Health's Role in Research Translation *Laura Senier, Northeastern University*

Globalization and Sensitivity to Racial, Ethnic, and Gender Diversity of Human Subjects in Clinical Trials *Laura Bothwell, Harvard Medical School*

Small Country, Big Project: The Development of Precision Medicine in Switzerland *Francesco Panese; Luca Chiapperino, University of Lausanne, Faculty of Social and Political Sciences; Léa Maria Stiefel, Unil*

Precision for Whom? --Paying System for Patient Selection by Molecular Technique in Taiwan *Yeh-Han Wang, Institute of Science, Technology, and Society, National Yang-Ming University*

Translating Precision Medicine into Public Health: Anticipating the Implications of Genomic Advances in Infectious Disease Management *Angie Boyce, Johns Hopkins University*

Chair:

**Shirley Sun**, Nanyang Technological University

## 119. Crisis Infrastructures and the Politics of Interdependence

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Hampton B*

Participants:

Corporate States of Emergency *Megan Finn, University of Washington*

Infrastructural Interdependency at the End of the Millennium *Dylan Mulvin, Microsoft Research; Cait McKinney, University of Toronto*

Re-Membering Queer Networks: Crisis in Production of the LGBTQ Non-Profit Industrial Complex *Jen Jack Giesekeing, Trinity College*

Gender and/as Infrastructure: (In)Sensibilities of Gender *Tristan Gohring, Indiana University - Bloomington*

Chair:

**Cait McKinney**, University of Toronto

Discussant:

**Dylan Mulvin**, Microsoft Research

## 120. Predictability's Promises III

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

Predictability's Possibilities and the Political Promise of Anthropogenic Global Climate Change  
*Adam Fleischmann, McGill University*

Possibilities of a Prediction: From Weather Forecasting to Climate Modeling in a Nuclear World  
*Olivier Chanton, IRSN*

Cryo-Epistemologies: An Anthropological Investigation of Sea Ice Predictability  
*Julianne Yip, McGill*

Making Resilience Predictable: Exploring the Predictive Politics of the Modelling and Generation of Resilience  
*Samuel Randalls*

Chair:

**Darcie DeAngelo**, McGill University

## 121. Critical Approaches to Cybersecurity

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Kent*

Participants:

A Valuable Flaw: The Creation of a Market for Software Vulnerabilities  
*Ryan Ellis, Northeastern University*

Governing by Numbers: Metrics and the Irreducible Uncertainties of Cybersecurity  
*Rebecca Slayton, Cornell University*

Assessing the New Information Society: A Typology of Encrypted Information Flows and their Human Risks  
*Quinn DuPont, University of Washington (Information School)*

Regulating Resilience of Complex Systems: Evidence from Critical Infrastructure Cybersecurity Standards  
*Aaron Clark-Ginsberg, Stanford University*

Market Based Risk Management through Cyber Insurance  
*Trey Herr, Harvard Kennedy School*



Chair:

**Ryan Ellis**, Northeastern University

## 122. Studying Data Critically III

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 5 - Riverway*

Participants:

Data Talk: Metaphors of an Epistemological Landscape *Claire D'Elia Maiers, University of Virginia*

Data Upstream *Sarah Catherine Inman, University of Washington*

Organizational Tensions in the Quest for a Data-Driven Tax Administration *Bastian Jørgensen, IT-University of Copenhagen*

Chair:

**R. Stuart Geiger**, UC-Berkeley

## 123. Tour of "The Philosophy Chamber" exhibition at the Harvard Art Museums

Special Event

2:00 to 5:00 pm

*Sheraton Boston: off-site event*

Presenter:

**Ethan Lasser**, Harvard Art Museums

Chair:

**Grace Kim**, Massachusetts Institute of Technology (MIT)

## 124. Coffee Break

3:30 to 4:00 pm

*Sheraton Boston: Foyer*

## 125. Cryo (In)Sensibilities: Reproduction in the Age of Ice II

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

"Cultural Instincts": Posthumous Sperm Retrieval Requests in Israel and the Beginning of an Implementation Process *Ori Katz, Ben-Gurion University of the Negev*

Life and Quality of Frozen Embryos: Uses of Images and Scores to Negotiate the Destiny of Embryos in a Center of Assisted Reproduction in Brazil *Débora Allebrandt, UFAL*

Freezing for the Future: Culturally Mediated Fertility Preservation Decisions in Trans Youth *Moirá Kyweluk, Northwestern University*

Inconceivable? Predicting Embryo Potential in Fertility Clinics and Embryo Adoption *Risa Cromer, Stanford University*

Chair:

**Charlotte H. Kroløkke**, University of Southern Denmark

## 126. "Hidden Disasters": Unexposed Element(s) of Sociotechnical Accidents

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

Punctuated Equilibriums: The Co-Production of Institutions, Culture, and Wildfire *Eric Kennedy, Consortium for Science, Policy, and Outcomes - Arizona State University*

The Shipwrecked Case of Cijin 25 Ladies and the Stigmatization of Wooden Boats *Wen-hui Anna Tang, National Sun Yat-sen University*

Radioactive and On Fire: Living in an Uncertain Community *Kristen Michelle Kalz, University of Missouri-Columbia*

Ecological Cost Shifting: A Case Study of the Indian Shipbreaking Industry *STUTI HALDAR, CENTRAL UNIVERSITY OF GUJARAT*

On Decision-making and Preparedness of Japanese Government before and after the Fukushima Accident *Masashi Shirabe, Tokyo Institute of Technology*

Chair:

**Anto Mohsin**, Northwestern University in Qatar

## 127. Dis/abilities and STS

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

The Lived Experience of Disability and the Detection of Fetal Impairment *Nikaido Yuko, Meijigakuin University*

Feminist Disability Studies and STS: Bridging disciplines through an examination of caregiving *Laura Mauldin, University of Connecticut*

Facilitated Communication: Autism, Automatism, Authorship *David Horn*

Chair:

**David Horn**

## 128. Unsettled Futures: Science Fiction, Identity and the Making of Time

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

"Hokule'a is in the past:" Spacefaring Canoes and Indigenous Seafaring in Science Fiction and Future Imaginaries *Eli Nelson, Harvard University*

"Eliminate the Muslim": Science fiction and the making of Muslims as a future subject *Ahmed Ragab, Harvard University*

Turning to Stone *Sophia Roosth, Harvard University*

Judge Dredd's Armor and The Gunslinger's Gun: Movie Magic and the many lives of filmic weaponry in South Africa *Jessica Dickson, Harvard University*

Origin Stories: Technoscience, Agency, and the Creation of Marvel's Superheroines *Kristen Koopman*

Chair:

***Sophia Roosth***, Harvard University

## **129. Beyond "Triple A" (AAA): Perspectives at the Intersection of STS and Game Studies**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Who is Player Two and How is She Changing Video Games? *Shira Chess, University of Georgia*

Framing AAA: Media Coverage of Industrial Change in Early 2000s Video Gaming *Amanda Cote, University of Michigan*

Play-Fighting: Bringing together Game Studies and Sport *Joseph Fordham, Michigan State University*

Playing Science: From Exploitationware to Careware in Science (Crowdsource) Games *Casey O'Donnell, Michigan State University*

Chair:

***Shira Chess***, University of Georgia

## **130. The Politics of "Facts" and Science in an Age of "Post-truth"**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

'Post-truth' and the Indirection of Political Speech *Javier Lezaun, University of Oxford*

Viral Conspiracies: Rumour and Emerging Infectious Diseases in Brazil's Media Ecology *Meg Stalcup, University of Ottawa*

The Power of Discredited Experts and Discredited Dacts: Terrorism and Truth, before and after Trump *Lisa Stampnitzky, University of Sheffield*

Chair:

***Lisa Stampnitzky***, University of Sheffield

Discussant:

***Daniel Hirschman***, Brown University

## **131. Artificial Intelligence: Mediating Coexistence**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Making Artificial Intelligence Unartificial: A Case Study on Gil Medical Center in South Korea *DAEUN LEE, Science and Technology Policy Institute*

Science Automated: Field Notes From a "Science Automation Laboratory" *Vlad Schüler-Costa, University of Manchester*

Building Learning Machines: Machine Translation as a Site in Which it Became Thinkable to Calculate “Meaning” *Aaron Louis Plasek, Columbia University*

Algorithms, Words, and Valuation *Anna Jobin, Université de Lausanne*

Chair:

**Dora Kaufman**, Universidade de Sao Paulo

Discussant:

**Dora Kaufman**, Universidade de Sao Paulo

### 132. Academic Careers: Gaining Independence in Different National Contexts

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

A Path to Academic Independency and How to Early Stage Researchers Describe It *Nina Jung, Universidad Nacional Autónoma de México*

The Cognitive and the Social Patterns in the Emergence of a Scientist *Mery Hamui, Universidad Autonoma Metropolitana; Alejandro Canales, UNAM-iISUE*

Why Is There a Gap Between the Formal and the Actual Independence of Early Career Researchers? *Grit Laudel, TU Berlin*

‘Taking One for the Team’: Articulations of Authorship in Nutrition Science Across Academia and Industry *Bart Penders, Maastricht University*

“If He Got Excited About Something, Could He Do Wonders!”: Narratives of Required Interest for Success in Engineering Research *Caitlin Donahue Wylie, University of Virginia*

Chairs:

**Grit Laudel**, TU Berlin

**Ed Hackett**, Brandeis University

### 133. 2017 Carson Prize winner: Adia Benton's HIV Exceptionalism

Author Meets Critic

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Commonwealth*

Chair:

**Shobita Parthasarathy**, University of Michigan

Author:

**Adia Benton**

Panel Members:

**Johanna Crane**, University of Washington Bothell

**Manjari Mahajan**, New School University

**Andrew Lakoff**, University of Southern California

**Paul Farmer**, Harvard University

### 134. Exploring Large-Scale Research through the Lens of Infrastructure

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Dalton*

Participants:

Standardization and Integration in Cancer Research: Data Infrastructures as Actors in Knowledge Generation *Regine Kollek, University of Hamburg; Imme Petersen, University of Hamburg*

Negotiating Credibility in Large-scale Research: The “750 GeV bump” at CERN *Martina Merz, Alpen-Adria-Universität Klagenfurt, Austria*

Large (Virtual) Research Infrastructures: The High-energy Physics Blogosphere and ‘Non-Discovery’ *Sophie Ritson, Alpen-Adria Universität Klagenfurt / Wien / Graz*

Revisiting the Laboratory: From Particle Physics to Experimental Economics and Back *Helene Sorgner, Alpen-Adria-Universität Klagenfurt | Wien | Graz*

Barbarians at the Gate(s) (Again): Access, Infrastructure, and the (Possible) Rise of Computational Art History *Park Doing, Cornell Univ.*

Chairs:

**Martina Merz**, Alpen-Adria-Universität Klagenfurt, Austria

**Sophie Ritson**, Alpen-Adria Universität Klagenfurt / Wien / Graz

### 135. Social Studies of Politics II

Panel Session

*4:00 to 5:30 pm*

*Sheraton Boston: Floor 3 - Exeter*

Participants:

Machineries of Health Governance at Work: An Exploration of Invisible Work and Sensemaking in a Dutch Health Funding Agency *Rik Wehrens, Erasmus University (Institute of Health Policy & Management); Lieke Oldenhof, Erasmus University, Institute of Health Policy and Management; Roland Bal, Erasmus University Rotterdam*

Tactics of Colonization Within Some Brazilian Antarctic Cosmopolitics *Luis Guilherme Resende de Assis, Instituto Federal de Educação Ciência e Tecnologia de Goiás*

Science Based Standards and Governance: Opening the “Black Box” of Regulation Making for Bottled Water Quality in India *Aviram Sharma, Nalanda University*

Calculating National Income with the Others *Kyunghwan Lee, University Southern California*

Performing a Platform State: Ethnography of a State Identification Device *Marie Alauzen, CSi, I3, PSL Research Universitu, CNRS UMR 9217 (France)*

Chair:

**Nicholas James Rowland**, The Pennsylvania State University

### 136. Entanglements in Critical Data Practices: Perspectives from Design Inquiry

Panel Session

*4:00 to 5:30 pm*

*Sheraton Boston: Floor 3 - Fairfax A*

Participants:

Civic Data Practices as Care *Carl DiSalvo, Georgia Institute of Technology*

Socio-Technical 'Patchwork' in the "Smart City": Predictive Platforms, Civic Imagination and Anticipatory Urbanism *Laura Forlano*

Data Biographies for Critical Data Pedagogy *Catherine D'Ignazio, Emerson College; Yanni Alexander Loukissas, Georgia Institute of Technology*

Meaningful Inefficiencies: Encounter, Play and Dialogue in the Smart City *Eric Gordon, Emerson College*

Decomposing Data *Hanna Rose Shell, Massachusetts Institute of Technology*

Chair:

**Carl DiSalvo**, Georgia Institute of Technology

### 137. Clashing Environments and Environmentalisms in Latin America II

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Fairfax B*

Participants:

Postcolonial Plants and Power: Making, Transmitting, and Receiving the Brazilian Bioenergy Model *Nicole Labruto, Massachusetts Institute of Technology*

Imagining the Bioeconomy across the North-South Divide *Tess Doezema, Consortium for Science, Policy and Outcomes; Raoni Rajão, Federal University of Minas Gerais (UFMG)*

Fighting for the Future: Competing Land-Use Models in the History of Amazônia *Raoni Rajão, Federal University of Minas Gerais (UFMG); Susanna Hecht, UCLA*

Chair:

**Susanna Hecht**, UCLA

Discussant:

**Susanna Hecht**, UCLA

### 138. Breaking Codes: Technologies from a Gender Perspective

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Gardner A*

Participants:

Participatory Practices in Sociotechnical Design – Productive Tensions between Gender Studies and Computing *Claude Draude, University of Kassel, Germany*

"LAN houses are for boys and Telecenters are for girls:" CTCs as Gendered Spaces *David Nemer, University Of Kentucky*

From Contradictions to "Redoing" Gender by Men and Women in IT Enterprises *Ana M. González Ramos; Laura Lamolla Kristensen, Open University of Catalonia; Elisabet Almeda, University of Barcelona; Núria Verges, University of Barcelona*

'Femicide State' and Drone Mediation in the Fight against Gender Violence in Mexico *Marcela Suárez, Universidad Autónoma Metropolitana*

Chairs:

**Patricia Pena**, University of Chile, Institute of Image and Communication

**Maria Goñi**, Universidad de la República

**Marcela Suarez**

**Kemly Camacho**, Cooperativa Sulabatsu

### 139. Placebos, Nocebos, and the Contradictions of (In)Sensible Biomedicine

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Gardner B*

Participants:

Counting the Placebo Dead: Early AIDS Activism With and Against Placebo-Based Drug Trials  
*Alexis Shotwell, Carleton University*

Neuro-Imagining Placebo Effects *Suze Berkhout, University of Toronto*

Placebo Effect Narratives and Chronic Benzodiazepines Use in Uruguay *Nancy Beatriz Calisto, Academic, University of the Republic (Uruguay); Andrea Clara Bielli, Universidad de la República; Santiago Navarro, Universidad de la República, Uruguay; María Pilar Bacci, Universidad de la República; Gabriela Lilián Bruno, Universidad de la República*

The Stabilization of Psychiatric Diagnosis: Psychotropic Drugs as Boundary Objects *Carolina Geneyro Saldombide, Universidad de la República (Uruguay)*

Chairs:

**Ada Jaarsma**, Mount Royal University

**Suze Berkhout**, University of Toronto

### 140. Gene Editing and the Challenge of Public Engagement: Local and Global Perspectives

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Hampton A*

Participants:

The Development of Standards of Practice in Genetic Engineering:

Collaboration/Communication *Santiago Jose Molina, University of California Berkeley*

The Governance of Gene Editing in China: The Silent Science Community and the Absent Public *Lu Gao, Institute for the History of Natural Sciences, Chinese Academy of Sciences*

Responsible Innovation Frameworks and Public Engagement with Human Genetic

Engineering: Clarity, Confusion or Irrelevance? *Stevienna de Saille, University of Sheffield*

The Global Expansion of Heritable Germ Line Genome Editing: Challenges for Public Engagement *Achim Rosemann, University of Warwick*

Chair:

**Achim Rosemann**, University of Warwick

### 141. Now You See It, Now You Don't: Mapping Contours and 'Seeing' Methodologies of Transnational Research 'Labs'

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Hampton B*

Participants:

Our Habitus, our Displacements: Contemporary Art and Research in Migratory Times and Spaces *Dalida Maria Benfield, Center for Arts, Design and Social Research*

Serendipity, Bricolage, and other Useful Tools for Finding Meaning in Large Scale Projects *Annette Markham, Aarhus University Center for STS*

Ethnographically Researching the 'Smart City:' In process; to be conceptualized *Debora Lanzeni, RMIT/UOC*

Urban Design Enfranchisement: A Critical Path for Cities and for Metropolitan Science *Martin Brynskov, Aarhus University; Matthew Claudel, Massachusetts Institute of Technology*

Chair:

**Annette Markham**, Aarhus University Center for STS

Discussant:

**Anna Croon Fors**, Department of Informatics, Umeå University, Sweden

## 142. Exploring Prediction: Fortunetelling, Prognostication, and Futurism

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

How is a Modern Fortuneteller to Predict the Future? An Explanation by Taking Actor-Network Theory *Yuh Chern Lin, National Tsing-Hua University*

"Midnight-Midday Ebb Flow": Predicting State of Qi and Blood in the Various Meridians *Wan-Chun Cheng, China Medical University; Su-Tso Yang, China Medical University*

Questioning Compulsory Heterosexuality of Fortunetelling Knowledge in Taiwan *Kuan-Hung Lo, Virginia Tech; Yuh Chern Lin, National Tsing-Hua University*

Cones, Spider Webs, and Teddy Bears: Reflections on Topologies of the Future and the Concept of Plausibility *Yashar Saghai, Johns Hopkins University*

Chairs:

**Kuan-Hung Lo**, Virginia Tech

**Yuh Chern Lin**, National Tsing-Hua University

## 143. Surveillance and Security

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Kent*

Participants:

The Origins of the Internet Infrastructure Privatization: a Historical Approach to Internet Exchange Points *Fernanda Ribeiro Rosa, American University*

Recessive Objects: Surveillance and the (Dis)appearance of Fact *Sun-ha Hong, MIT*

Calculating & Countering Surveillance Risks: Translations in Practice *Becky Kazansky, University of Amsterdam*

Welfare Technologies and Surveillance in Care Work for Elderly Citizens *Agnete Meldgaard Hansen, Department of People and Technology, Roskilde University, Denmark; Annette*



*Kamp, Department of People and Technology, Roskilde University, Denmark; Sidsel Lond Grosen, Department of People and Technology, Roskilde University, Denmark; Stinne Ballegaard, KORA, the Danish Institute for Local and Regional Government Research*

*Innovating the Problem Away? Exploring the Possibilities and Perils of Technologizing Sexual Assault Prevention Deborah White, Trent University; Lesley McMillan, Glasgow Caledonian University*

Chair:

**Deborah White**, Trent University

#### **144. #QueerSTS4S: Third Annual Happy Hour Meetup**

Reception

5:30 to 7:00 pm

*Sheraton Boston: The Pour House, 907 Boylston St.*

Chairs:

**Mitali Thakor**, Northwestern University

**Stephen Mouldrem**, The University of Michigan

#### **145. 4S Awards Plenary**

Plenary Session

6:00 to 7:30 pm

*Sheraton Boston: Floor 2 - Constitution*

#### **146. Tapuya Reception (by invitation only)**

Reception

7:30 to 8:30 pm

*Sheraton Boston: Floor 3 - Commonwealth*

#### **147. 4S Council and Prize Dinner (by invitation only)**

Reception

8:00 to 10:00 pm

*Sheraton Boston: Clery's, 113 Dartmouth St.*

#### **148. Valuation Studies Meet-up**

Reception

8:00 to 9:30 pm

for location, follow @Val\_Studies or visit: <http://valuationstudies.liu.se/News/>

Chair:

**Claes-Fredrik Helgesson**, Linköping University, Technology and Social Change

#### **149. Harvard STS Reception (by invitation only)**

Reception

8:00 to 10:00 pm

*Sheraton Boston: Floor 5 - Public Garden*

# Friday, September 1

## 150. Racism and Health I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

Pharmaceuticals, Health, and Citizenship in the Aftermath of Hurricane Katrina *Anne Pollock, Georgia Tech*

Racializing Refugees: On Medical Practice & Research *Michelle Munyikwa, University of Pennsylvania*

From One Drop to One Percent: The Impact of DNA Ancestry Tests on the Worldview of White Supremacists *Joan Donovan, University of California San Diego; Aaron Panofsky, University of California, Los Angeles*

Bounded Justice: Racism and the Ethics of Scientific Knowledge Production *Melissa Creary, University of Michigan, School of Public Health*

Caring for the Indian Heart: The Role of Race at the Stanford South Asian Translational Heart Initiative *Alyssa Botelho, Harvard University; David Shumway Jones, Harvard University*

Chair:

**Jonathan Metzl**, Vanderbilt MHS

## 151. Visual (In)Sensibilities I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

Trained Eyes vs Mechanical Objectivity: Enhancing Professional Vision in Embryo Imaging *Manuela Perrotta, Queen Mary, University of London*

Fixing the Image *Jenna Grant, University of Washington*

Visualizing Illness: Making of Non-symptomatic Thyroid Cancer Patients *Kim HeeWon, Korea Advanced Institute of Science and Technology (KAIST)*

Sensing Mood through Images: Visualizations of Mood Disorders in Patient-reported Outcomes Technologies *Fernando Valenzuela, Universidad Andres Bello*

Rendering the 'Child': Ekphrasis, Postphenomenology, and the Ultrasound Informed Consent Act. *Jonathan Weedon*

Chair:

**Dorothea Born**, University of Vienna

## 152. (De)construction of Nuclear Systems

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

Experimentally Proving Nuclear Disarmament: Certainty and Secrecy in the Black Sea *Ellie Immerman, MIT*

Unintended Consequences: (De)Constructing Utility Narratives of Biological Weapons *TD MacDonald, MIT*

Ontologies of Nuclear Safety *Aditi Verma, MIT*

Chair:

**Ellie Immerman**, MIT

Discussant:

**Allison Macfarlane**, George Washington University

### 153. Sensing Robots

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Ethics and Sensibility in Designing a Social Robot for Care (with Care) *Núria Vallès, Universitat Autònoma de Barcelona; Miquel Domènech, Universitat Autònoma de Barcelona*

From Laboratory to Robot Competition *Arne Maibaum, TU Berlin*

Different Modes of Engagement - The Sensibilities of Feeding Assistive Robotics *Niels Christian Nickelsen, Aarhus University, Department of Education*

Sensing Emotions, Assembling Humans: Faces, Voices, and Ethics in South Korea's Digital Companion Research *Heesun Shin, Korea Advanced Institute of Science and Technology; Hanbyul Jeong, KAIST*

"Are you just sensitive or are you also human?" Sensing the Topography of Sensitive Social Robots and Sensible Humans *Diego Compagna, Technische Universität Berlin*

Chair:

**Arne Maibaum**, TU Berlin

### 154. Interspecies Sensibilities I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Human-Tick Sensory Relations: Tacit Knowledge in the Scientific Practice of Lyme Disease Risk Research *Jessica Somers, SUNY Albany*

Cross-Species Intimacy in the Lab: Bonding and Affect Between Animal Care Technicians and Lab Animals *Caroline Warren, Emory University*

Sense Making in Salvation: Embodied Ethnographies of Dog Rescue *Natalie Porter, University of Notre Dame; Ann Marie Thornburg, University of Notre Dame*

Smartification, Cows and Farmers: Exploring Technologized Interspecies Relations *Laura Trachte, Technical University Munich, MCTS*

Making Sense of Multiple Modalities of Plant Materiality *Laura Foster, Indiana University - Bloomington*

Chair:

**Christena Nippert-Eng**, Indiana University

## 155. Communicating Science

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Natural and Sustainable: How the use of Wolbachia to Control the Population of *Aedes aegypti* is Depicted to the Population *Claudia Santos Turco, HCTE-UFRJ / FIOCRUZ; Eduardo Nazareth Paiva, Universidade Federal do Rio de Janeiro*

In Search for New Identity of Science Communication in Russia: Between Science Propaganda and Popular Science Communication *Andrey Kozhanov, Higher School Of Economics, Moscow*

Space Communication Strategies of Korean Government between 1950s and 1980s *Seungmi Chung, Virginia Tech*

Learning from Mass Media, the Role of Media Reporters, and their Effects on Constructing of Public Understanding of Science *Midori Aoyagi, National Institute for Environmental Studies*

Scientists' Use of Reddit as Science Communication *Noriko Hara, Indiana University; Jessica M. Abbazio, Indiana University*

Chair:

**Noriko Hara**, Indiana University

## 156. Contesting Harm

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

Capricious Harms: Irritation and Workers' Skin in the Industrial U.S., 1900-1930 *J. Maxwell Rogoski, University of Pennsylvania*

Chemicals, Germs and Domestic Micro-worlds: Exploring Competing Conceptions of Harm in Parental Hygiene Practices *Rachael Wakefield-Rann, University of Technology Sydney*

Contested Concepts of Harm in Scientific Studies on Marine Plastic Pollution *Max Liboiron, Memorial University of Newfoundland and Labrador*

Rachel's' Story: The Lure of the Syringe *Nicole Vitellone*

Placebos, Nocebos and Meaning-Making *Ada Jaarsma, Mount Royal University*

Chair:

**Nicole Vitellone**

## 157. Techno-Jobs and Capital I: Bots, Automation, and Digitized Affective Labor

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Emergent Society-Technology-Formations in Affective Capitalism *Doris Allhutter, Austrian Academy of Sciences; Brigitte Bargetz, University of Vienna*

Trusted Strangers: Constructing Crowds of Careworkers in the "On-Demand" Economy *Julia Ticona, Data & Society; Alexandra Mateescu, Data & Society Research Institute*

Voting for Robots with Your Fork & Wallet: The Neoliberal Language of Labor & Consumer Choice *Anna Nguyen*

The Society of an Investment: Entrepreneurial Performance and Venture Valuation in the Age of AI *Francis Jervis, NYU*

Chair:

**Winifred Poster**, Washington University, St. Louis

Discussant:

**Sreela Sarkar**, Santa Clara University

## 158. Revisiting the Gap between Conventional Science and Forensic "Science" in Legal Contexts

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Forensic Statistics: Paradigm or Vortex? *Simon A Cole, Univ Of Ca-Irvine*

Fire Investigation Expertise in Arson Trials: In Tension with Mainstream Science *David Caudill, Villanova University*

The Role of 'Science' in US Arson Trials: Are Old Myths being Replaced by New Ones? *Graham Spinardi, University Of Edinburgh*

Pathological Co-production and the Limits of Law, Forensic Science, Scientific Advice and STS *Gary Edmond, Unsw*

Chair:

**David Caudill**, Villanova University

## 159. Experiments in Collaboration / Building Sciences and Justices

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Commonwealth*

Participants:

Patient Activist Histories and Futures: Drug de-regulation and U.S. Right to Try Laws *Amy Kapczynski, Yale School of Medicine*

Decolonial Environmental Justice and Chemical Exposures *Michelle Murphy, University Of Toronto*

Saving Environmental Data and Knowledge from “Post-truth” Politics *Lindsey Dillion, UC Santa Cruz*

Racialized Genomics: Science and Justice in a Post-Race, Post-Truth World *James Doucet-Battle, University of California, Santa Cruz*

Chair:

**Katherine Weatherford Darling**, UC Santa Cruz

Discussants:

**Jenny Reardon**, UC Santa Cruz

**Ruth Müller**, MCTS TU München

**Rebecca Herzig**

## 160. Sense and Sensibility: Science and Religion in a Secular Age

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Dalton*

Participants:

Common Ways, Different Goals: Situated East-Asian and Scientific Conceptualizations of Mindfulness Meditation *Zsofia Samodai, Institute of Science, Technology, and Society, National Yang-Ming University*

Religion, Science, State: "Self Help" Antimalaria in Mandatory Palestine, 1922-1940 *Omri Tubi, Northwestern University*

The Divine Madness of Science: Reading Benjamin Lee Whorf's Theosophical Anthropology *Matthew Clay Watson, Mount Holyoke College*

Reading Meteorology through Different Temporal Senses *Su Hu, University of Edinburgh*

Rural Simulacra: An STS Inquiry into an Urban Park *Jonathan Strout, University of Florida*

Chairs:

**Renee Blackburn**, MIT

**Marie Burks**, MIT

## 161. Making Sense of Conferences

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Exeter*

Participants:

Chasing Proteomics Standards: Ethnographic Engagement with Conferences as Temporary Sites of Community *Christina Holmes, St. Francis Xavier University; Mavis Jones; Fiona McDonald, Queensland University Of Technology*

Corporate Conference Workshops as Settings to Configure the User *Jessamy Perriam, Goldsmiths, University of London*

Making and Doing Inclusive Conferences *Victoria Neumann, MCTS, Technical University of Munich; Angela Prendl, University of Vienna; Nikolaus Pöchhacker, MCTS, Technical University of Munich*

Scientific Meetings: The Territorial Expression of the Scientific Community *Maiko Rafael Spiess, Universidade Regional de Blumenau; Marcos Antonio Mattedi, Universidade Regional de Blumenau*

Chairs:

**Baki Cakici**, Goldsmiths, University of London

**Nick Seaver**, Tufts University

Discussant:

**Alison Cool**, University of Colorado Boulder

## 162. STS in Practice

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Fairfax A*

Participants:

Challenging a “Common Sense Absence”: Centering Narratives and Experiences of Undergraduate STSers in the Trump Era *Jane Lehr, California Polytechnic State University; Matt R. Klepfer, California Polytechnic State University*

Doctors in Disaster: Putting STS in the Field *Alli Morgan, RPI*

STS Interventions in Engineering Education: The University of Virginia’s Science, Technology, and Society Program *Daniel Chen, University of Virginia*

Impact of Quantified Tests: Case of Career Counselling in India *Barkha Satish Kagliwal, Cornell University, Department of S&TS*

Relaying Design Styles: Practicing Communication in the Environmental Sciences and STS” *Brandon Costelloe-Kuehn, RPI*

Chair:

**Alli Morgan**, RPI

## 163. Sociotechnical Approaches to Privacy and Data Protection I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Fairfax B*

Participants:

The Privacy Paradox: How Market Privacy Facilitates Government Surveillance *Karina Rider, Queen’s University*

The Double-Edged Affordance of the Time-Tax: Rethinking the Design and Generativity of Data Privacy Controls *Elizabeth Anne Watkins, Columbia University*

“Cypherpunks Write Code”: Privacy, Crypto-Anarchy and the Interpretative Flexibility of Encryption *Sarah Myers West, Annenberg School for Communication & Journalism, University of Southern California*

Figuring Out “Reasonable Expectations” of Data Protection and Privacy as Sociotechnical Phenomena *Martina Klausner, Humboldt-Universität zu Berlin*

From Treaties to Arrests: Internet Governance in the US and Europe in the Age of Big Data *Anna Artyushina, York University*

Chair:

**Meg Leta Jones**, Georgetown University

## 164. STS and the Design of Dying, Death and the Afterlife I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Gardner A*

Participants:

A Place for Mortality: In-patient Hospice Architecture and its Role in a Dignified Death *Annie Bellamy, Welsh School of Architecture*

Designing Spaces for Death and the Afterlife *Dara Ivanova, Institute of Health Policy and Management (Erasmus University)*

How Modern Technology Shapes Death *Shengying Lu, Beijing Normal University*

Good Grief: Postmortem Technologies and 'Healthy' Grieving *Philip R Olson, Virginia Tech*

Chairs:

**Dara Ivanova**, Institute of Health Policy and Management (Erasmus University)

**Roland Bal**, Erasmus University Rotterdam

## 165. Science from the Eyes of Local Cultures

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Gardner B*

Participants:

Reflections on Science and Risk Communication in the Philippines: Informal Channels vs Scientific Rationality for Decision Making *Maria Inez Angela Zamora Ponce de Leon, Ateneo de Manila University*

Science Majlis in Qatar *Anto Mohsin, Northwestern University in Qatar; Aisha Al-Qadi, Northwestern University in Qatar; Jemina Legaspi, Northwestern University in Qatar; Sara Al-Ansari, Northwestern University in Qatar*

A Good Doctor is Hard to Find: Assisted Injection Expertise Among Persons Who Inject Drugs *Sarah Brothers, Yale University*

Curing Pharmaceuticals: Healing and Relational Ontologies in Pharmaceutical Use in Tanzania *Laura Meek, University of California, Davis*

Chair:

**Anto Mohsin**, Northwestern University in Qatar

## 166. Historical (In)Sensibilities I: Historicizing STS Methods

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Hampton A*

Participants:

Continuity or Change: Modern Nursing Knowledge Formation in Taiwan *Zxy-Yann Lu, Zxyyann Jane Lu*



The Dispute over Time in Late Imperial China: Interpreting Modernity from A STS Perspective  
*Dian Zeng, Institute of Science, Technology and Society, Tsinghua University; Wei Hong, Tsinghua University*

Reconstructing Historical Regimes of Design and Production in Digital Fabrication *Yana Boeva, York University*

Red and Green: The Green Revolution and Science in the Context of Socialist Planning in Poland *Dong Ju Kim, Korea Advanced Institute of Science and Technology (KAIST)*

Reflecting STS: A Historical Review of STS in Mainland China *Zhengfeng Li, Institute of Science, Technology and Society, Tsinghua University; Xiao Lu, Institutes of Science and Development, Chinese Academy of Sciences*

Chair:

**Martina Schluender**, University of Toronto

## 167. Re-assembling Urban Life: STS and the Making of Sustainability I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Hampton B*

Participants:

Materialized Energy Citizenship and the Sustainability Transition: Material Interventions and their Consequences *Marianne Ryghaug, Norwegian University of Science & Technology (NTNU)*

Transforming Cities through Re-assembling Material Flows: Energy, Food and New Collectives *Tomas Moe Skjølsvold*

Sustainability and the Danish Energy and Transport Sector: Investigating Controversies in a Scenario Planning Process *Meiken Hansen, Technical University of Denmark; Per Dannemand Andersen, Technical University of Denmark*

A Tale of Two Technologies: Sustainability Transformations through Public Transportation in Two Local Governments in Norway *Lina Ingeborgrud*

Chair:

**Marianne Ryghaug**, Norwegian University of Science & Technology (NTNU)

## 168. STEM Education I: The Power Dynamics of Technoscientific Educations

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

Where is the Social in STEM? *Sarah Stapleton, University of Oregon*

Racist, Classist, Colonizing Neoliberal Fuckery within STEM Eduspeak: Counter-Stories from the Front Lines *Jean Aguilar-Valdez, Portland State University*

Counterhegemonic Technology Integration *Jarek Sierschynski, University of Washington Tacoma; Dominic Jay Crisostomo, University of Washington Tacoma*

The Future of Education: The Problem of Cultivating the Unique Human Capacities Required in the Age of Robotics *Lars Geer Hammershøj, Aarhus University*

Modern Engineering Technologies and Their Impact on Contemporary Engineering Work Po-  
Jen Bono Shih, *Virginia Tech*

Chair:

**Matthew Weinstein**, Univ. Of Washington-Tacoma

## 169. Reproductive Health, Technologies and Outcomes

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Kent*

Participants:

“My Body as the Site of the Catastrophe”: Fertility and the Radical Possibilities of Failure  
*Alana Cattapan, University of Saskatchewan*

Bearing a Barren Body: Shaping Women’s Bodily Experiences in IVF Treatments *Marjolein de Boer, University of Oslo*

The Development of Male Contraceptive Technologies from a Feminist and a Post-Colonial Perspective *Miriam Klemm, Technische Universität Berlin*

The Construction of Sex Ratios in Population Sciences and Social Movements *Rajani Bhatia, University at Albany, SUNY*

Worlds Apart? The Emergence of Cell Free Fetal DNA Testing in Austria *Ingrid Metzler, University of Vienna, Department of Science and Technology Studies*

Chair:

**Ingrid Metzler**, University of Vienna, Department of Science and Technology Studies

## 170. Toxic Torts and Persistent Polluters I: Persistent Polluters and Citizen Science

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 5 - Public Garden*

Participants:

How Naive Experts Use Citizen Science to Cope with Air Pollution in China *Rodolfo Andres Hernandez, Tsinghua University; Zhengfeng Li, Institute of Science, Technology and Society, Tsinghua University*

Collapsing Quality and Safety: Standardizing Milk in China after Melamine *Megan Tracy, James Madison University*

The Politics of Science in the 'Samsung Leukemia' Case *JONGYOUNG KIM, Kyung Hee University*

Science in Pollution Politics: Schoolchildren as ‘Guinea Pigs’? *Wen-Ling Tu, National ChengChi University, Taiwan; Chia-Liang Shih, National Chengchi University*

Chair:

**Kim Fortun**, University of California Irvine

## 171. STS, Critical Design, Critical Digital Humanities I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 5 - Riverway*

Participants:

- STS through/with Design: Reflection-in-Practice and Affective Engagement to Circumvent Disciplinary Boundary Maintenance *Dean Nieusma, Rensselaer Polytechnic Institute*
- Toward a More Critical "Critical Design" *James Malazita, Rensselaer Polytechnic Institute*
- An Attempt at Designerly Leaps beyond Making *Sissel Olander, The Royal Danish Academy's School of Design; Li Jönsson, The Royal Danish Academy of Fine Arts Schools of Architecture, Design and Conservation*
- Claims of Equity and Expertise: Feminist Interventions in the Design of DIY Communities and Cultures *Ellen Foster*
- Design for Living Complexities: An Experiment in Teaching Critical Thinking about Design *Peter J. Taylor, UMass Boston*

Chair:

**James Malazita**, Rensselaer Polytechnic Institute

## 172. Community Informatics and Science and Technology Studies

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 5 - The Fens*

Participants:

- Citizens, Safety and the Precariousness of Digital Community Initiatives *Jason Pridmore, Erasmus University; Anouk Mols, Erasmus University*
- Narrating Disaster, Contesting Reconstruction: Design Notes on Practices of Damage Assessment in the Wake of the 2015 Nepal Earthquake *Robert Soden, University of Colorado Boulder; Austin Lord, Cornell University*
- Communities as Controversies in Constant Resolution *Ammar Halabi, University of Fribourg; Basile Zimmermann, University of Geneva*
- Reconsidering Community TV: The Transformation of Public Knowledge and Production Spaces in San Francisco *Matt Dewey, University of California, San Diego*
- Refugee & Forced Migration Informatics *Amirah Majid, University of Washington*

Chairs:

**Colin Rhinesmith**, Simmons College  
**David Nemer**, University Of Kentucky

## 173. "NSF speed dating" with STS Program Director Fred Kronz

10:00 to 12:00 pm

*Sheraton Boston: Floor 3 - 3rd Floor Registration*

## 174. Coffee Break - Sponsored by Duke University Press

10:30 to 11:00 am

*Sheraton Boston: Foyer*

## 175. Racism and Health II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

Using a Structural Competency Framework to Teach Structural Racism in Pre-Health Education *Jonathan Metz, Vanderbilt MHS*

Making Limits to the Body: The Production of Somatic Differences to Grant Access to Healthcare *Jorge Castillo-Sepúlveda, University of Santiago de Chile*

Reframing Risk, Health, and Security: Nurses Challenge the National Smallpox Vaccination Program of 2002 *Gwen D'Arcangelis, Skidmore College*

Furthering The Case for Black Disability Studies as Praxis *Moya Bailey, Northeastern University; Izetta Mobley, University of Maryland College Park*

Chairs:

**Anne Pollock**, Georgia Tech

**Melissa Creary**, University of Michigan, School of Public Health

## 176. Visual (In)Sensibilities II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

Visualizing Climate Change: On the Role of the Visual in National Geographic's Climate Change Discourse. *Dorothea Born, University of Vienna*

Visual In(sensibilities): Representation of Human Evolution in Mexican Visual Culture *Erica Torrens, Universidad Nacional Autonoma de Mexico; Ana Barahona, UNAM*

The Image of Intersubjectivity: The Tacoma Narrows Bridge, Objectivity, and Infrastructure Failures *Travis Hnidan, York University*

Theater of Operations: Asymptote Architecture New York Stock Exchange Virtual Trading Floor and Command Center *Hicham Awad, Harvard University*

Empirical Prints as Dramatic Images *Kasper Ostrowski, Aarhus University*

Chair:

**Regula Valérie Burri**, HCU - HafenCity University Hamburg

## 177. Embodying the Ends of War

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

Wounds of War: Infantry Rifles and the Embodiment of Lethal Force *Nisha Shah, School of Political Studies, University of Ottawa*

From Eugenics to Resilience: War, Psychometry, and the Politics of Inclusion *Alison Howell, Rutgers University - Newark*

Wounds and Assets: Big Data and Epidemiological Fact-Making in U.S. Military Health Research *Emily Sogn, New School for Social Research*

On the Road in the Afterwar *Kenneth MacLeish, Center for Medicine, Health and Society, Vanderbilt University*

Chair:

**Kenneth MacLeish**, Center for Medicine, Health and Society, Vanderbilt University

## **178. Synthetic Actors I: Drones and Robots as Synthetic Actors**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Players, Not Users: Theorizing Synthetic Actors in eSports *Niklas Woermann, University of Southern Denmark*

Making Multitasking Matter: Using Object-Oriented Ontology to Human-Drone Systems *Brandon Kramer*

Environments in Composition: On the Synthetic Situation of Drone Piloting *Marcel LaFlamme, Rice University*

Making Surgical Robotic Tools into Sensible Interaction Partners *Neil Stephens, Brunel University London*

Chair:

**Niklas Woermann**, University of Southern Denmark

Discussant:

**Karin Knorr Cetina**, University of Chicago

## **179. Interspecies Sensibilities II**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Material Science: A Comparison Across Three Scientific Sites *Jennifer Lai, Michigan State University*

Re-Enacting Immunity in Microbiome Science: Tensions between Old Paradigms of Exclusion and a New Postgenomic Biosociality *Andrea Nunez Casal, Goldsmiths, University of London*

The Human Virome: Trans-speciesism Beyond the Microbiome *Melanie Armstrong, Western State Colorado University*

A Game Changer for the Animals: Why Effective Altruists Love Cultured Meat *Garrett M Broad, Fordham University*

Animal Obsolescence and The Multispecies Ethics of Cellular Agriculture *Elan L Abrell, Harvard Law School*

Chair:

**Christena Nippert-Eng**, Indiana University

## **180. Science out of Comfort: Ethics as an Act of Violence**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Retraction: The “Other Face” of Research Collaboration *Li Tang, Fudan University; Cong Cao, East Asian Institute*

The Coloniality of Philosophies of Biology *Shay-Akil McLean, University of Illinois at Urbana-Champaign*

A New Hierarchy of Care for Children on Extracorporeal Life Support: Beyond the Illness Narrative during a Rare Therapeutic Strategy *Krisjon Rae Olson, Medical College of Wisconsin*

Chair:

**Anna Croon Fors**, Department of Informatics, Umeå University, Sweden

Discussant:

**Eva Svedmark**, Umea University

## 181. Theorizing Harm

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

Desensitization and the Problem of Harm *Theresa MacPhail, Stevens Institute of Technology*

Defining Harm: The Case of Internet Risks for Children *Neta Ziskind, Haifa University and Open University of Israel; Rivka Ribak, University of Haifa*

Irreparability and the Temporality of Harm *Gwen Ottinger, Drexel University*

Chairs:

**Max Liboiron**, Memorial University of Newfoundland and Labrador

**Beza Merid**, Department of Communication Studies, University of Michigan

Discussant:

**Michelle Murphy**, University Of Toronto

## 182. Techno-Jobs and Capital II: Digital Management and the (Free) Labor of Data Markets

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Platform Discipline: The Labor Process of Content Producers and Data Analysts in the YouTube Economy *Michael Louis Siciliano, UCLA*

The Production of Digital Knowledge Archives through Slack *Ope Akanbi, University of Pennsylvania*

Measuring Work: Self-Tracking Technologies and the (In)sensibilities of Labour *Karen Dewart McEwen, University of Toronto*

Chair:

**Norma Tamaría Möllers**, Queen's University (Kingston, Canada)

### 183. The Politics of Forensic Identification in the Wake of Disaster and Atrocity

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Cross-Examining Expertise; An Examination of Social Phenomena in Forensic Investigation of Atrocity Crimes *Derek Congram*

Disaster and Atrocity Victim Identification Practices: Politics and Normativities *Victor Toom, Goethe University*

Memory and Forensic Reason in Cyprus *Elizabeth Anne Davis, Princeton University*

"The Dogma of DNA": Forensics and Epistemologies of Ignorance in the Mexican Borderlands *Lindsay Adams Smith, University of New Mexico; Vivette Garcia Deister, UNAM*

Forensic Capacities in the Philippines: Limitations and Practice *Matthew C. Go, Department of Anthropology, University of Illinois at Urbana-Champaign*

Chairs:

**Victor Toom**, Goethe University

**Sarah Wagner**, George Washington University

### 184. The Domains of Data Science: Science, Industry & State

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Commonwealth*

Participants:

What is a Domain? Boundary Work and its Crossings in Data Science *David Ribes, University of Washington*

Paradiscipline? A Distinctive Mode of Interdisciplinarity in 'Big Science': The case of the Beijing Genome Institute *Xiaobai Shen, University of Edinburgh; Kai Wang, The ESRC Centre for Genomics in Society (Egenis) at the University of Exeter; Robin Williams, The University of Edinburgh*

Data Science Institutes in the Netherlands *Sally Wyatt, Royal Netherlands Academy*

The Enduring Spell of Tacit Knowing?: Data Science and its Discontents in the Managerial and Policy Landscape of Japan *Masato Fukushima, University of Tokyo*

Chair:

**Geoffrey C. Bowker**, University of California, Irvine

### 185. Plasticity, Postgenomics, and the Politics of Possibility I

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Dalton*

Participants:

Abnormality, Pathology, Plasticity: Conceiving Tensions in PGT *Juliane Collard, University of British Columbia*

Biocultural Approaches to Genetic Ancestry: Plasticity Denied, Possibility Foreclosed? *Noah Tamarkin, Ohio State University*

A Postgenomic Body? Genealogy and Open Questions *Maurizio Meloni*

An Imagined Future Community: Taiwan Biobank, Taiwanese Genome, and Nation-Building. *Yu-yueh Tsai, Institute of Sociology, Academia Sinica*

Chair:

**Maurizio Meloni**

## 186. Querying Open Knowledge

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Exeter*

Participants:

Wisdom of Politically Polarized Crowds *Misha Teplitskiy, Harvard University; Eamon Duede, University of Chicago; Feng Shi, University of North Carolina*

Preserving the Margins: Designing for Unpredictable Behavior on Open Online Knowledge Production Platforms *Gabriel Mugar, Engagement Lab at Emerson College*

Three Participatory Technology Assessment Narratives: The Challenges of Public Deliberation in the United States Federal Agency Institutional Context *David Tomblin, University of Maryland, College Park; Mahmud Farooque, Arizona State University*

Observing Archives: Web Archival Labour as Socio-technical Practice *Jessica Ogden, University of Southampton; Susan Halford, University of Southampton; Leslie Carr, University of Southampton*

Anthropophagic Networks: The Role of the “Artist Class” in Brazilian Technology Transfer and the Myth of Use-neutrality *Beatrice Chicago Choi, Northwestern University*

Chair:

**Jessica Ogden**, University of Southampton

## 187. The Ethnographic Effect: Imagining a Next Generation of Methodological Possibilities I

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Fairfax A*

Participants:

Framing the Ethnographic Effect *Brit Ross Winthereik, IT University of Copenhagen; Andrea Ballesterio, Rice University*

Listening Across Borders: Migration, Dedications, and Affect *Alexandra Sharp Lippman, University of California, Davis*

Generative Collectives in Argentinian Care Trans\*Formations: Methodological Possibilities from the ‘In Between’ *Sonja Jerak-Zuiderent, Linköping University, Technology and Social Change; Teun Zuiderent-Jerak, Department of Thematic Studies - Technology and Social Change, Linköping University*



Asking Again and Again: Moving Between Questions in Development Research in Afghanistan

*Tjitske Holtrop*

Analogs *Antonia Walford, UCL*

Chair:

**Andrea Ballester**, Rice University

## 188. Sociotechnical Approaches to Privacy and Data Protection II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Fairfax B*

Participants:

Confidante Games: Spanish Prisoners, Nigerian Princes, Counterfeits and Lockpicking

*Nathanael Bassett, University of Illinois at Chicago*

Devising Identity: Wearables and Persistent Identity *Steven Richardson, Queen's University;*

*Debra Mackinnon, Queen's University (Kingston, Canada)*

Health, Pervasive Data, and Privacy: Negotiating Boundaries in Sociotechnical Spaces

*Matthew Bietz, University of California Irvine; Cynthia Cheung, University of California, San Diego; Cinnamon Bloss, University of California, San Diego*

Transnational Genetic Surveillance: New Challenges to the Governance of Crime *Helena*

*Machado, Centre for Social Studies, University of Coimbra, Portugal; Rafaela Granja, Centre for Social Studies, University of Coimbra, Portugal; Marta Martins, Centre for Social Studies, University of Coimbra; Sara Matos, Centre for Social Studies, University of Coimbra*

Familial Searching and Controversies in 'Hybrid Forum' *Rafaela Granja, Centre for Social Studies, University of Coimbra, Portugal; Helena Machado, Centre for Social Studies, University of Coimbra, Portugal*

Chair:

**Katie Shilton**, University of Maryland, College Park

## 189. STS and the Design of Dying, Death and the Afterlife II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Gardner A*

Participants:

Digital Death: Digitalization of Medical Technologies and Conceptions of Death *Kostas Raptis,*

*National and Kapodistrian University of Athens; Aristotelis (Aristotle) Tympas, National and Kapodistrian University of Athens*

Living on as Flesh and Data: Exploring how Danish Whole Body Donors Envisage Physical and

Digital Spaces of Death and Afterlife *Maria Olejaz, Center for Medical Science and Technology Studies, University of Copenhagen*

A New Way of Dying *María Pilar Bacci, Universidad de la República*

Chairs:

**Iris Wallenburg**, Institute for Health Policy and Management

**Maria Olejaz**, Center for Medical Science and Technology Studies, University of Copenhagen

## 190. Scientific Controversies

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Gardner B*

Participants:

Mundane Reason in Scientific Community: A Study on Han Chunyu's Controversy over Genetic Editing *Jiuheng He, Institute of Science, Technology and Society, Tsinghua University, China*

Contesting ADHD: Controversial disorder and health social movement *Fan-Tzu Tseng, Academia Sinica, Taiwan*

The East is "Scientific": Scientists, the State, and Credibility Crises During China's GMO Controversy *Abigail Coplin, Columbia University, Department of Sociology*

The Case of and Precaution against Disguised Human Organ Trading *yang tongwei, Shandong University*

Chair:

**Fan-Tzu Tseng**, Academia Sinica, Taiwan

## 191. Roundtable Workshops

11:00 to 12:30 pm

*Sheraton Boston: Floor 2 - Grand Ballroom*

### 191-1. Eating Beside the Human: Intercalary Exchanges on Food's Thresholds

Rountable Workshop

Participants:

Making Agribusiness Palatable: Pet Food, Breath, and the Trade in Industrial Sense Impressions *Alex Blanchette, Tufts University*

On Life Support *Harris Solomon*

The Placenta: An Ethnographic Analysis of Nourishing Relations *Emily Yates-Doerr*

Animate Thresholds: Diabetes and Planetary Health at the Edge of the Sea *Amy Moran-Thomas, MIT*

Cosmologies, Ontologies and A Gentle Empiricism: Biodynamic Viticulture in New Zealand *Deborah Heath, Lewis and Clark College*

Chair:

**Heather Paxson**, Massachusetts Institute Of Technology

### 191-2. Zbola and the (in)Sensibility of Death

Rountable Workshop

Participants:

Social Perceptions of Neglected Disease: The Case of Zika Virus in Brazil *Andre Sica de Campos, Unicamp; Janaina Pamplona da Costa, Unicamp; Rhiannon Kroeger, Louisiana State University*

Experiencing Zbola: First Person Accounts of (in)Sensibility *Juan Aguilar, Heidelberg University; Wesley Shrum, Louisiana State University*

"Do they want to kill us with Ebola?" Vaccine Trials and Risk Communication in Ghana. *John Kojo Aggrey, Louisiana State University; Wesley Shrum, Louisiana State University*

Preparing for an Epidemic Amidst Uncertainty and Distrust: One American City's Efforts to Stem the Spread of Disease and Stigma in Response to Ebola *Paige Miller, University of Wisconsin, River Falls*

Zika Virus in Mexico: Its Social Aspects With a Gender Perspective *Ana Pandal de la Peza, Universidad de las Americas Puebla; Leandro Rodriguez Medina, Universidad de las Americas Puebla*

Chair:

**Wesley Shrum**, Louisiana State University

Discussant:

**Wenda K Bauchspies**, NSF

## 192. Historical (In)Sensibilities II: STS and the History of the Present and the Absence

Panel Session

11:00 to 12:30 pm

Sheraton Boston: Floor 3 - Hampton A

Participants:

Understanding the Opioid Epidemic: A Genealogical Analysis of Pain Management *Melina Sherman, University of Southern California, Annenberg School for Communication & Journalism*

Meteorological Frontiers: Climate Knowledge, the West, and U.S. Statecraft, 1800-1850 *Zeke Baker, University of California, Davis*

Solar Energy Technologies: Contingency and Trajectory of an Intermittent Duration Neglected. Cross Check of History of the Technology and STS. *Nelson Arellano, Universidad de Tarapaca*

When Doors are Removed for Our Own Safety. A Historical Case Study of the 'Failed' "Question Mark" Telephone Booth *Mette Simonsen Abildgaard, Aalborg University Copenhagen*

The Exploration and Representation of the Technological Value of Industrial Heritage in China *HUI LUO, National Academy of Innovation Strategy, CAST; Hongwei Wang, National Academy of Innovation Strategy, CAST; Xiangdong LIU, National Academy of Innovation Strategy, CAST; Xiang LI, National Academy of Innovation Strategy, China*

Chairs:

**Susanne Bauer**, University of Oslo

**Nils Güttler**, ETH

## 193. Re-assembling urban life: STS and the making of sustainability II

Panel Session

11:00 to 12:30 pm

Sheraton Boston: Floor 3 - Hampton B

Participants:

"This is what is coming": Sociotechnical Imaginaries of the Energy Future. A case study of Norwegian early adopters of solar panel technology *Gitte Hanssen Koksvik, Department Of Interdisciplinary Studies Of Culture, Norwegian University Of Science And Technology,*

Pioneering New Energy Practices: Motivations and Future Imaginations of Prosumers in Norway *Ingrid Ballo, University of Bergen*

Urban Interconnectedness in a Rural Geography: The Role of Prosumers and Energy Citizenship *William Throndsen*

“Green” and Gendered: Electric Car Culture in Urban Energy Transitions *Martin Anfinssen, Norwegian University of Science and Technology*

Chair:

**Tomas Moe Skjølsvold**

## **194. STEM Education II: Reconfiguration within and Resistance to the Rise of (alt)Right-Wing Governments**

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

Tracing Articulations of Science Education in the Trumpocene *Matthew Weinstein, Univ. Of Washington-Tacoma*

Uncovering the STEM-ification Governance Networks: The Story from Georgia *Ajay Sharma; Cheryl Hudson, University of Georgia*

STEM Education in Right-wing Populist Contexts *John Bencze; Lyn Carter, Australian Catholic University, Melbourne, VIC, Australia*

Aesthetics and Political Resistance for Science Education *Jesse Thomas Bazzul, University of Regina; Sara Tolbert, University of Arizona*

The Hopes, Pitfalls and Redemption of Transdisciplinary, Online, Open Science: Developing a Green Neuroscience Curriculum *Paul Tsang, University of Toronto; Ximena Martinez, Ontario Institute for Studies in Education, University of Toronto; Maria Ikram, Green Neuroscience Laboratory, Institute for Green and Open Sciences; Ann Lam, Physicians Committee for Responsible Medicine; Elan Ohayon, Green Neuroscience Laboratory*

Chair:

**Matthew Weinstein**, Univ. Of Washington-Tacoma

## **195. Ambiguous Relations and the Politics of Reproductive and Sexual Bodies**

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Kent*

Participants:

Ambiguities of Abortion: Multiple Realities and Misoprosotol in Lima, Peru *Rebecca Melanie Irons, University College London*

Making Sense of the Abortion Pill: A Historical Sociotechnical Analysis of RU486 in Canada *Patricia Campbell, Red Deer College*

Invisible Women: Control and the Gestating Body in Prenatal Supplementation Studies *Meredith Reiches, University of Massachusetts Boston*

Fighting AIDS in Taiwan: Revisiting the Gift Relationship in the Case of PrEP *Poyao Huang, UCSD*

The Biomedicalization of Pain for Women, from Bodies to the Political Senses: The Case of Childbirth *Maud Arnal, EHESS, Cermes3/IRIS*

Chair:

**Patricia Campbell**, Red Deer College

## 196. Toxic Torts and Persistent Polluters II: Persistent Polluters Challenged by Toxic Torts

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 5 - Public Garden*

Participants:

Class Action as a Trigger for Agency and Environmental Valuation: Yunlin People v. Formosa Plastics *Paul Jobin, Academia Sinica*

Reconstructing Genba: RCA Groundwater Pollution, Research and Lawsuit in Taiwan, 1970-2014 *Yi-Ping Lin, National Yang-Ming University*

Lost and Found in Translation: Contesting US Legal Authorities in a Transnational Mass Toxic Tort Litigation in Taiwan *Hsin-Hsing Chen, Graduate Institute for Social Transformation Studies*

Law and Science in Minamata Disease: Japanese Experience of Social Struggle against The biggest Kogai *Atsushi SADAMATSU, Kyoto Koka Women`s College*

Chair:

**Kim Fortun**, University of California Irvine

## 197. STS, Critical Design, Critical Digital Humanities II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 5 - Riverway*

Participants:

Queer Justice Design: Pivoting to, and Articulating Outsider Sensibilities to Design new Infrastructural Knowledge Practices *Jarah Moesch, University Of Maryland College Park*

Exploring Resolutions to the Device Paradigm with Speculative Design *Holly Robbins, Delft University of Technology; Elisa Giaccardi, Delft University of Technology; Elvin Karana, Delft University of Technology*

Not Just Guns but Bullets Too: The Role of Diabetic Prototypes and Material Speculation within the STS and the Digital Humanities. *Matt Ratto, University of Toronto*

Mapping as a Critical Research Method: On Self-Reflexive Design in the Academy *Ned Prutzer, University of Illinois at Urbana-Champaign*

Project Methodology and Critical Thinking in the Contemporary Demands of the Design Field *Fabiana Heinrich, Pontificia Universidade Católica do Rio de Janeiro (PUC-Rio); Alberto Cipiniuk, Pontificia Universidade Católica do Rio de Janeiro (PUC-Rio)*

Chair:

**James Malazita**, Rensselaer Polytechnic Institute

## 198. Articulating the Sensibilities of Social Media I

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 5 - The Fens*

Participants:

Social Media Definition: A Task for the Researcher or the Participant? *Harry T Dyer, University of East Anglia*

Negotiating Visibility: How Expertise Shapes the Communication on Platforms *Andrea Geipel, MCTS, Technical University of Munich*

It's Time for Scientists to E-volve: Scientists' Engagement in Online Public Science Communication of GMO issue in China *xiao zhang, The University of Tokyo*

How Can Caregivers Take Care of Themselves with Social Media? *Erting Sa, SUNY Albany*

Utilizing Social Media for Knowledge-making: A Research Framework *Ricky Leung, SUNY-Albany*

Chair:

**Ricky Leung**, SUNY-Albany

## 199. Blogs, Backchannels and Short Form Writing

Lunchtime Workshop

12:45 to 1:45 pm

*Sheraton Boston: Floor 3 - Beacon D*

Presenters:

**Gloria Baigorrotegui**, Instituto de Estudios Avanzados - Usach

**Anita Chan**, U. of Illinois, Urbana-Champaign, ICR

**Steven Jackson**, Cornell University

**Aftab Mirzaei**, York University

**Tania Pérez-Bustos**, National University of Colombia

**Amanda Windle**, London College of Communication, University of the Arts, London

## 200. Building STS Programs

Lunchtime Workshop

12:45 to 1:45 pm

*Sheraton Boston: Floor 3 - Beacon E*

Presenters:

**Samuel A Weiss Evans**, Tufts University

**Daniel Breslau**, Virginia Tech

**Gretchen Gano**, Center for Science, Technology, Medicine & Society, University of California Berkeley

**Kelly Joyce**, Drexel University

**Kyoko Sato**, Stanford University

**Nick Seaver**, Tufts University

*Jameson Wetmore*, Arizona State University

**201. Feminist STS Meet-up**

Lunchtime Workshop

*12:45 to 1:45 pm*

*Sheraton Boston: Floor 3 - Beacon G*

**202. Ethnografilm Dalies II**

Lunchtime Workshop

*12:45 to 1:45 pm*

*Sheraton Boston: Floor 3 - Commonwealth*

**203. Getting Out The 1,000 Words 2: Pitch Slam with Media Editors and Policy Advisors!**

Lunchtime Workshop

*12:45 to 1:45 pm*

*Sheraton Boston: Floor 2 - Grand Ballroom*

Presenters:

**Maria Balinska**, The Conversation

**David Corcoran**, MIT Knight Science Journalism

**Dan Pomeroy**, MIT International Policy Lab

**Maggie Villiger**, The Conversation

**204. EASTS Journal Editorial Meeting**

Business Meeting

*12:45 to 1:45 pm*

*Sheraton Boston: Floor 5 - Public Garden*

**205. Doing Situational Maps and Analysis in STS**

Lunchtime Workshop

*12:45 to 1:45 pm*

*Sheraton Boston: Floor 5 - Riverway*

Presenters:

**Adele E Clarke**, University of California, San Francisco

**Rachel Washburn**, Loyola Marymount University

**206. "NSF speed dating" with STS Program Director Fred Kronz**

*1:00 to 3:00 pm*

*Sheraton Boston: Floor 3 - 3rd Floor Registration*

**207. Analyzing Race as a Ghost Variable in Human Research**

Panel Session

*2:00 to 3:30 pm*

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

Microethnicities **Amber Benezra**, NYU Tandon School of Engineering

Prosthetic Whiteness: Management of Racial Risks in Opioid Science *Helena Hansen, New York University*

Submerging Race in Biomedical Studies of Testosterone *Elizabeth Carlin, CUNY Graduate Center; Brandon Kramer; Rebecca Jordan-Young, Barnard College, Columbia University; Katrina Karkazis, Stanford University*

The Powers of Testosterone: Race, Nation, and the Regulation of Women Athletes *Rebecca Jordan-Young, Barnard College, Columbia University; Katrina Karkazis, Stanford University*

The Rational Self and the Impulsive Other: Dual-Process Models and Racializing Assemblages *Chad Valasek, University of California at San Diego*

Chairs:

**Rebecca Jordan-Young**, Barnard College, Columbia University

**Katrina Karkazis**, Stanford University

## 208. Visual (In)Sensibilities III

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

Making Sense of Images: Approaches to Visualization in Biology and the Life Sciences *Scott Curtis, Northwestern University*

Not Just Any Map Will Do: Map Usage in the Site Selection of the Laser Interferometer Gravitational-Wave Observatory (LIGO) Large-Scale Interferometers *Tiffany Nichols, Harvard University - History of Science*

Visualising Data: A Study of Biomedical Imaging Practices in MRI Innovation, Past and Present *Silvia Casini, University of Aberdeen*

Visualizing Lies: The Relevance of Imaging Technologies in Modern Lie Detection *Torsten Heinemann, University of California, Berkeley; Larissa Fischer, University of Hamburg; Bettina Paul, Universität Hamburg*

Chair:

**Dorothea Born**, University of Vienna

Discussant:

**Regula Valérie Burri**, HCU - HafenCity University Hamburg

## 209. Envisioning Nuclear Technology Futures Amid Political-Epistemic Uncertainties

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

Political-Epistemologies of Mankala Cooperative Nuclear Energy Financing in Finland *Vincent Ialenti, Cornell University*

Populism and Nuclear Power in Europe *Gordon Mackerron, University of Sussex*

Nuclear Emergency Response: Walking the Tight Rope between Cynicism and Normalization *Sonja Schmid, Virginia Tech, NVC*



Nuclear Lying: A History *Hugh Gusterson, George Washington University*

The Walking Dead: "Truth" and the "Success" of Advanced Reactor Technology *Allison Macfarlane, George Washington University*

Chair:

**Vincent Ialenti**, Cornell University

Discussant:

**Aleksandr Sklyar**, University of Michigan, Ann Arbor

## 210. Synthetic Actors II: Algorithms and Databases as Synthetic Actors

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Synthetic Situations and Algorithmic Phenomena *Elena Parmiggiani, NTNU; Eric Monteiro, Norwegian University of Science and Technology (NTNU); Thomas Østerlie, NTNU Social Research*

Synthetic Relationships: Affective Flexibility in the Diagnostic Genetics Laboratory *Chris Goldsworthy, Institute for Science, Innovation and Society, University of Oxford*

Approaching the Algorithmic Governance of HIV *Jeffrey Andrew Christensen, Tema T, Linköping University*

"How angels are made": Ashley Madison and the Social Bot Affair *Tero Karppi, Department of Media Study, State University of New York at Buffalo*

Chair:

**Niklas Woermann**, University of Southern Denmark

Discussant:

**Karin Knorr Cetina**, University of Chicago

## 211. Shaping the Human-Technology Frontier I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Configuring Technologies, Organizations and User-Bodies: The Introduction of 3D Printing to the Prosthetics Industry *David Seibt, Technical University of Munich*

Hybrid Ecologies, Affective Atmospheres and Metabolic Systems in Art and Design *Desiree Förster*

Privacy and Security in the Age of Human Augmentics *Jason Archer, University of Illinois at Chicago*

Emerging Technologies & Community Resilience (ETCR) *Richard B Duque, SUNY Polytechnic Institute*

Chair:

**Richard B Duque**, SUNY Polytechnic Institute

Discussant:

**Richard B Duque**, SUNY Polytechnic Institute

## 212. Studying Science Communication I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Diagnosing Orthorexia Nervosa: The Medicalization of "Excessive Health" in the News Media  
*Amy A. Ross, Northwestern University*

From the Lab to the Streets: A Field Report on Training for Synthetic Biologists in Public Engagement  
*Matthew Harsh, Concordia University; Brandiff Caron; Ravtosh Bal, Concordia University, Montreal, Canada*

Is Scientific Knowledge "Borderless"? The Citation and Credibility of Local and International Research in China's GM-Food Controversies  
*Wanheng HU, Peking University*

Visuals in Biology: Motion and Agency  
*Charudatta Navare, Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research*

"You have to connect with the audience" Spaces of Communication as Spaces of Knowledge Production  
*Mariana Celeste Smulski, Instituto de Ciencias Antropológicas, Universidad de Buenos Aires*

Chair:

**Maja Horst**, University of Copenhagen

## 213. Citizen Science Politics and Practices I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

Crowdsourcing Vector Surveillance: Mosquito Mappers and Citizen Scientists Encounters  
*Maria I. Espinoza, Rutgers University*

The Missing Link in Air Quality Citizen Sensing Projects: Making Sense of Data  
*Ehsan Sabaghian, School of Information Studies, Syracuse University; Sikana Tanupabrungsun, School of Information Studies, Syracuse University; Murali Venkatesh, School Of Information Studies, Syracuse University; Sonal Ashok Said, School of Informamtion Studies, Syracuse University*

The Ethics of Citizen Science Gaming: Perspectives from STS  
*Karen Schrier, Marist College*

Design Thinking for the Ideation of Collaborative Research Processes: A Comparative Case Study about the Co-Design of Citizen Science Experiments  
*Enric Senabre Hidalgo, IN3 - Open University of Catalonia // CECAN - University of Surrey; Josep Perelló, OpenSystems, Universitat de Barcelona; Isabelle Bonhoure, Universitat de Barcelona*

Understanding Volunteers' Interests in Virtual Citizen Science Projects  
*Emily Oswald, Department of Education, University of Oslo*

Chairs:

**Shun-Ling Chen**, Institutum Iurisprudentiae, Academia Sinica

**Melanie Dulong de Rosnay**, ISCC CNRS Paris Sorbonne

## **214. Techno-Jobs and Capital III: Transnationalism, Race, Gender, and Expertise of Techno-Labor**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Maintenance Work for the Global Information Highway: Village Data Processing Centers in India *Winifred Poster, Washington University, St. Louis*

Race, Gender, and the Perfect Digital Latina Worker *Melissa Villa-Nicholas, University of Rhode Island; Miriam Sweeney, University of Alabama*

Approaching the Ancillary Work of Campus-Based Competitive Gaming *Nicholas Taylor*

Creative Class Consciousness: The Origins of a Collective Identity *Matthew Wisnioski, Virginia Tech*

Data Science as a New Expertise and the PhD Question *Angela Xiao Wu, New York University*

Chair:

**Norma Tamaría Möllers**, Queen's University (Kingston, Canada)

## **215. Constructing (Sociotechnical) Resilience: Modeling and Reflexive Engagement in STS**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Resilience as a Sociotechnical Problem: Concept and Methodology *Sulfikar Amir, Nanyang Technological University*

Organisational Interdependencies and Emergency Capacity: A Sociotechnical System Approach *Justyna Katarzyna Tasic, Nanyang Technological University*

Modeling Sociotechnical Resilience: the Case of Singapore MRT *Fredy Tantri, Nanyang Technological University*

Imaginary and Dysfunction: The Real-time Emergency Radiological Consequence Simulation Technology for Nuclear Disaster in Japan *Kohta Juraku, Tokyo Denki University; Shin-etsu Sugawara, Central Research Institute of Electric Power Industry*

Chair:

**Sulfikar Amir**, Nanyang Technological University

Discussant:

**Kohta Juraku**, Tokyo Denki University

## **216. Invited Session: Reproductive Justice and Injustice**

Panel Discussion

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Commonwealth*

Chair:

**Banu Subramaniam**, University of Massachusetts Amherst

Moderator:

**Evelynn Hammonds**, *Harvard University*

Panel Members:

**Khiara Bridges**, Boston University

**Dana-ain Davis**, Queens College & CUNY Graduate Center

**Debora Diniz**, International Women's Health Coalition, University of Brasilia, Brazil

**Cei A Lambert**, Fenway Health

**Susan Yanow**, Women Help Women

## 217. Plasticity, Postgenomics, and the Politics of Possibility II

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Dalton*

Participants:

Epigenetic Plasticity and Permeability: Shifting Temporality and New Thresholds of Fetal Life

*Becky K Mansfield, Ohio State University*

Epigenetic Inheritance and Postcoloniality: The Case of the 'Thin-Fat Indian Baby' *Ruth Müller,*

*MCTS TU München; Michael Penkler, Technical University of Munich*

On the Traces of Biosocial Plasticity. A Genealogical Approach *Luca Chiapperino, University of*

*Lausanne, Faculty of Social and Political Sciences; Francesco Panese*

Plasticity and Possibility in Regenerative Biology: Model Organisms and New Human Biologies

*Emily Wanderer, University of Pittsburgh*

Chair:

**Maurizio Meloni**

## 218. From Disruption to Obstruction: Race, Gender, Economics, and Other (In)sensibilities of Edtech

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Exeter*

Participants:

Designing Race: The Formation of Synthetic Intellectuals *Christien Tompkins, UCLA*

Disruptive Fixation: How Enthusiasm for Ed-Tech Survives Despite Persistent and Predictable

Failures *Christo Sims, University of California, San Diego*

Feminist Politics of Belonging: Participatory Culture and Youth Digital Video Production *Negin*

*Dahya, University of Washington; W E Chapin, University of Washington*

Times Thirty: Infrastructural Politics, Justice, and Edtech *Roderic Crooks, UCLA Department of*

*Information Studies*

Chairs:

**Roderic Crooks**, UCLA Department of Information Studies

**hemy ramiel**, Bar Ilan University

## 219. The Ethnographic Effect: Imagining a Next Generation of Methodological Possibilities II

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Fairfax A*

Participants:

Watching Closely: An Exercise-Based Approach to Direct Observation Methods *Christena Nippert-Eng, Indiana University*

A Knotty Problem: Arts Based Action Research in and out of a Community Garden *sam smiley, AstroDime Transit Authority*

Citizen Sensing, Urban Politics and Practice-Based Research *Lara Houston, Goldsmiths, University of London; Jennifer Gabrys, Goldsmiths, University of London; Helen Pritchard, Goldsmiths University of London*

Ethnographic Discoveries from an Uncomfortable Impromptu Speaker Position *Nassima Abdelghafour, Centre de Sociologie de l'Innovation*

Chair:

**Andrea Ballester**, Rice University

## 220. Climate Data Protection Under Trump: Strategies and Tactics

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Fairfax B*

Participants:

Grand Intentions, Small Interventions : Climate Data Rescue's "Guerilla Archiving" as StatActivism *britt paris, UCLA Department of Information Studies*

Data Driven Communities: Using a Data Rescue Event to Build and Bridge Scientific Networks *Jennifer Pierre*

Decentralizing Climate Change Data while Preserving Scientific Value *Irene Pasquetto, UCLA*

Mind the (data) gap: The Community Science Model *Liz Barry, Public Lab*

Chair:

**Joan Donovan**, University of California San Diego

Discussant:

**Joan Donovan**, University of California San Diego

## 221. Necropolitics

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Gardner A*

Participants:

The Yale Language Laboratory, a Study of Method *Jeffrey Wajsborg*

Neural War Zone: Containing Immigrants, Terrorists, and Sex Offenders *Anthony Ryan Hatch, Wesleyan University*

Necro-life. Dead Bodies, Decomposition, and Muertos Making Practices in Colombia. *Julia Morales Fontanilla, UC Davis*

From 'Proletarian Lungs' to Classed Nonhumans? Or, Does Class Have a Substance? *Lee Nelson, RPI*

Can the Death of a Cow Talk about Ours? Animal Tanotopolitics Producing Modern State Lives *Gonzalo Correa, Universidad de la República (Uruguay)*

Chair:

**Mara Dicenta-Vilker**, RPI

Discussant:

**Mara Dicenta-Vilker**, RPI

## 222. Indigenous Knowledges and Technologies I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Gardner B*

Participants:

Growing Governance: Genetically Modified American Chestnut & Indigenous-led Participatory Process *Kathleen Barnhill, North Carolina State University*

Indigenous Knowledge as Local Response to Globalization and Climate Change in Nigeria/Africa *Geoffrey I. Nwaka, Abia State University Uturu*

Buen Vivir as a Decolonial, Ecological and Political Construction *Adriano Fabri, Universidade Federal do Paraná - UFPR*

Chair:

**Tiago Ribeiro Duarte**, University of Brasília

## 223. Making Pasts, Making Futures: Material Practices of Temporal Work

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Hampton A*

Participants:

Software Rot, Infrastructure Decay: Unruly Bodies of Code in Time *Marisa Leavitt Cohn, IT University Copenhagen*

Making the Future in the City *Leah Horgan, University of California, Irvine; Paul Dourish, University Of California Irvine*

What Does it Mean to be a Good Hospital? Reconfiguring Accountability in Healthcare Organizations *Kathleen Pine, University of California, Irvine; Melissa Mazmanian*

Designing the End of the Fishery *Phoebe Sengers, Cornell University*

Chair:

**Melissa Mazmanian**

Discussant:

**Ingrid Erickson**, Rutgers, State Univ of New Jersey

## 224. Qualitative Methods in the Context of Sustainable Energy Transformations

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Hampton B*

Participants:

Visualizing the Dreamscapes of Modernity: Analyzing Sociotechnical Imaginaries in the Area of Sustainability Transitions *Alexander Wentland, Technical University of Munich*

Approaching Sociotechnical Orders of Energy with Situational Analysis: Intervening in Energy Transformations through a New Methodological Perspective *Matthias Klaes, University of Augsburg; Sarah Glück, Zeppelin Universität gemeinnützige GmbH*

Do Multiple Realities Lie behind Apparent Failures in Building Energy Predictions? *Catherine Willan, UCL Energy Institute; Paul Ruyssevelt, UCL Energy Institute; Michelle Shipworth*

Imagining Energy Futures: Competing Narratives and Innovation Policies in the US and Germany *Farida Mortada, Harvard Law School*

Chair:

**Matthias Klaes**, University of Augsburg

Discussant:

**Mirko Suhari**, Zeppelin University

## 225. Integrating STS scholarship into exploratory teaching-research approaches in STEM education

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

Exploratory Practice of Teaching Feminist STS to Students and Researchers in STEM *Petra Lucht, Technical University Berlin*

The Selfish Teacher *Arthur Galamba, King's College London*

Curiosity Opens Learning and Teaching: Explorations in Science and History *Elizabeth Cavicchi, Edgerton Center, MIT*

Discovering Time: Explorations in Astronomy and the History of Science *Jais Brohinsky, Turtle Island Preserve and Harvard Graduate School of Education*

Chair:

**Petra Lucht**, Technical University Berlin

## 226. Knowing Humanity in the Social World - The Path of Steve Fuller's Social Epistemology

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Kent*

Participants:

Knowing Humanity in the Social World: The Path of Steve Fuller's Social Epistemology *Francis Remedios, Independent Scholar*

Fuller's Science Studies, Intelligent Design, and Alternative Theology *R Valentine Dusek*  
 The Path Forks at Dover: Social Epistemology for the One and for the Many *Jim Collier,*  
*Virginia Tech*

Fuller's Faustian Bargain *Robert Frodeman, University of North Texas*

Chair:

**Francis Remedios**, Independent Scholar

Discussant:

**Steve Fuller**, University Of Warwick

## 227. The Sensibilities of East Asian STS: Strategies, Trajectories, and Visions I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 5 - Public Garden*

Participants:

The Strategies and Trajectories of EASTS Journal (2006-2015) and its Social and Academic Contexts *Daiwie Fu, Graduate Institute of STS, Nation Yang-Ming Univ., Taiwan*

Beyond the Engine of Economy: New Social Challenges to S&T in East Asia *Hee-Je Bak, Kyung Hee University*

STS in Post-311 Japan: Methodology, Strategy and Adaptation *Togo Joseph Tsukahara, Kobe University*

Tracing Living Traditions: Asian Medicines and Their Paths toward Modernization *Wen-Hua Kuo, National Yang-Ming University*

Seeing Like an Asian: 'Asia as Method' Narrative for East Asian and the US STS *Sungwoo Ahn, Virginia Tech*

Chair:

**Wen-Hua Kuo**, National Yang-Ming University

Discussant:

**Michael M.J. Fischer**, M.I.T

## 228. STS, Critical Design, Critical Digital Humanities III

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 5 - Riverway*

Participants:

Designing for Distributed Sensibilities: Challenges with Community Wireless Mesh Networks *Dawn Walker, Faculty of Information, University of Toronto*

That's Not my Job: Infrastructure vs. Hacking in Digital Fabrication Processes *Nadya Peek, MIT - CBA*

Social Video and the Politics of Perceptibility: Thinking Through Benjamin and Rancière *Andrew Arthur Fitzgerald, Stanford University*

For Better or for Worse: Problematising a Union with Software *Sarah Beth Evans, North Carolina State University*



Chair:

**James Malazita**, Rensselaer Polytechnic Institute

## 229. Articulating the Sensibilities of Social Media II

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 5 - The Fens*

Participants:

Avatar: Multiple or Disrupted?—A research on the identity in the age of Internet *Xiaoju Dong, Institute of Science, Technology and Society, School of Social Sciences, Tsinghua University*

Translating New Media Practices on Gay Dating App Socialities in Translocal, Telepresent  
*Manila Paul Michael Leonardo Atienza, Department of Anthropology, University of Illinois at Urbana-Champaign*

On Grindr and the Politics of the User *Tyler Easterbrook, University of North Carolina at Chapel Hill*

Live Streaming Changes Video Game Testing: Observing Contextual Player Behavior over Video Streaming Services *Eric Nelson Bailey, Japan Advanced Institute of Science and Technology; Yasunobu ITO, Japan Advanced Institute of Science and Technology (JAIST)*

Chair:

**Ricky Leung**, SUNY-Albany

## 230. Coffee Break

3:30 to 4:00 pm

*Sheraton Boston: Foyer*

## 231. Sorting People Out: Tracing the Political Biographies of Ethnic/Racial Categories

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

Demonstrating the Future: Ethnoracial Projection in U.S. Latino Politics *Michael Rodríguez-Muñiz, Northwestern University*

The Rise and Fall of the Ethnic Category of “Mizrahim”/“Ashkenazim” by the Israeli Central Bureau *Hagar Tzameret-Kertcher, Sapir Academic College; Sigal Nagar-Ron, Sapir Academic College*

Enumerating by Caste: Changing Demands by the Indian State and Social Movements *Trina Vithayathil, Providence College*

The Absence of Numbers: Stepping Toward a “Colorblind” Israel *Anat E. Leibler, Bar Ilan University*

Chair:

**Anat E. Leibler**, Bar Ilan University

## 232. Sensing and Apprehending

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

Hand – Eye – Mouse – Power Tools: Craft, Embodiment and the Digital in Architecture  
Education *Claire Nicholas, University of Nebraska-Lincoln*

Knowing by Approximation: Locating and Re-Locating Peripheral Sensation *Lan A. Li, Columbia University*

Knowing Remotely: Truth-Value and Truth-Politics at Saydnaya Prison *Nadia Christidi, MIT*

Sensitivity to and Sensibility for Our Home *Richard Janda, McGill University; Carolina Cruz Vinaccia, Myko Social Score Project*

Chair:

**Lan A. Li**, Columbia University

**233. Cold War Science, Technology, and Policy: The Americas in a Global Perspective**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

Back into the Fold: Sino-American Scientific Cooperation Before Diplomatic Normalisation, 1971-1978 *Pete Millwood, University of Oxford*

Cold Stars: Astronomy, Politics and Identity in Chile during the Global Cold War *Barbara Silva, Universidad Catolica de Chile*

Environments of Research: US-USSR Agreement on Environmental Protection as a Scientific Collaboration Initiative *Anna Amramina, University of Minnesota*

Nitrogen Science, Technologies, and Policy. A Transnational History of Agro-ecological Change in the Americas. *William San Martin, Massachusetts Institute of Technology (MIT)*

Sekiko Yoshida: Scientific Computation with an Abacus in the Early U.S. Space Program *Eileen Clancy, Graduate Center, City University of New York*

Chair:

**Barbara Silva**, Universidad Catolica de Chile

**234. Making Algorithms: Inscriptions, Benchmarks and Computers**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Algorithms and Efficiency: How Corporate Software Developers Value Time and 'Energy' when Building Technical Systems *Paula Bialski, Leuphana University Luneburg*

A Local Ecology of Scientific Software Knowledge *Seth Erickson, UCLA*

Writing a Statistical Package: Tailoring an Old Algorithm to a New Processor *Jérémy Grosman*

Spacetime and Code-time: Astronomical Algorithms Evolving through Dimensions of Temporality and Materiality as Scientists Change Technological Practices *Bernadette Randles, UCLA*

Ground Truths: Designing Referential Repositories for Image-processing Algorithms *Florian Jaton, Université de Lausanne*

Chair:

**Florian Jaton**, Université de Lausanne

### 235. Shaping the Human-Technology Frontier II

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

The Body Modular: What Does It Mean To Be Modular? *Emily Goldsher-Diamond*

Unbundled Relationships and Affective Commodities *Alexander A Horak; Kentaro Toyama, University of Michigan*

Total Recall: Standardizing Memory in Facebook Applications *Hagar Bohbot, University of Haifa, Israel; Rivka Ribak, University of Haifa*

Chair:

**Richard B Duque**, SUNY Polytechnic Institute

Discussant:

**Richard B Duque**, SUNY Polytechnic Institute

### 236. Studying Science Communication II

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

The Evolution of Public-Scientists: How Indian Science Museums Are Creating Grassroots Innovators *anwesha chakraborty, University of Bologna*

Engaged Modest Witnesses: Building Bridges Between Natural History Research Museums and Society *Per Hetland, Department of Education, University of Oslo*

Dietary Advice and the Urge for Certainty *Andreas Gunnarsson, Department of Sociology and Work Science, University of Gothenburg*

Disorganized Infant Attachment, Film Technologies and the Making of a 'Buzzing' Boundary Object *Robbie Duschinsky, Cambridge University*

Chair:

**Maja Horst**, University of Copenhagen

### 237. Citizen Science Politics and Practices II

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

Modes of Engagement in Arctic Science: Rights Holders, Stakeholders, and the Citizen Science Debate *Noor Johnson, University of Colorado Boulder; Ruth Duerr, Ronin Institute for*

*Independent Scholarship; Heidi McCann, University of Colorado Boulder; Peter Pulsifer, University of Colorado Boulder; Colleen Strawhacker, University of Colorado Boulder*

The Politics of Expertise in Environmental Research: Considering the Climber *Courtney Evelyn Cecale, University of California, Los Angeles (UCLA)*

Raising Ethics: Parents of Critically Ill Children Taking the Lead in Scientific Research *Amy Dockser Marcus, Harvard Medical School; Isaac Kohane, Harvard Medical School; Effy Vayena, University of Zurich*

Community Wireless Networks as Policy Makery/Makerspace *Melanie Dulong de Rosnay, ISCC CNRS Paris Sorbonne*

Citizen Science? Lay Participation from Research Science to Regulatory Decisions *Shun-Ling Chen, Institutum Iurisprudentiae, Academia Sinica*

Chairs:

**Iris Eisenberger**, University of Natural Resources and Life Sciences, Vienna

**Melanie Dulong de Rosnay**, ISCC CNRS Paris Sorbonne

### 238. Marginal and Invisible Labor

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

An (in)sensible Machine: The Unpaid Care Worker in the Chthulucene *Ingrid Meintjes, Dept of Women's, Gender, and Sexuality Studies, Emory University*

Envisioning the Body at Work: Gender and Embodiment in British Colonial Bermuda *Jenna Tonn, Boston College*

Creating Commensurability: Standardizing "Foreign" Medical Labor *Eram Alam, University of Pennsylvania*

Job Prospects and Flow of Young Researchers *Alejandro Canales, UNAM-iISUE; Mery Hamui, Universidad Autonoma Metropolitana*

Bored Tech Workers Being Casually Racist *Sareeta Amrute, University of Washington*

Chair:

**Sareeta Amrute**, University of Washington

### 239. Techno-Optimism: Considering Affective Attachments to the Promises of Technoscience

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Minecraft and the Unmarked Gamer: Techno-Optimism in Pathways to Programming *Morgan G. Ames, CSTMS, UC Berkeley*

Alternative Medicine Diagnostic Equipment and the Promises of Techno-Science in Ghana's Herbal Medicine Clinics *Damien Droney, Stanford University*

Playing With Life: How Science Fiction Helped Shape the Moral Economy of Synthetic Biology

*Rebecca Wilbanks, Stanford University*

Chair:

**Damien Droney**, Stanford University

Discussant:

**Lilly Irani**, University of California, San Diego

#### 240. 2017 Bernal Lecture: Hebe Vessuri

Author Meets Critic

4:00 to 5:30 pm

*Sheraton Boston: Floor 2 - Constitution*

Chair:

**Kim Fortun**, University of California Irvine

Panel Members:

**Leandro Rodriguez Medina**, Universidad de las Americas Puebla

**Sarita Albagli**, IBICT Brazilian Institute for Information in Science and Technology

**Rigas Arvanitis**, Ird

**Hebe Vessuri**, Research Center of Environmental Geography (CIGA) UNAM

#### 241. Plasticity, Postgenomics, and the Politics of Possibility III

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Dalton*

Participants:

Broken Brains? Plasticity and Hope in Developmental Neuroscience *Kasia Tolwinski*

Depressed Life: Microbiota-Gut-Brain Axis and New Plastic Epistemologies of the Human *Ariel*

*J Rawson, The Ohio State University*

The EDC-MixRisk Project: Mixing the Real-Lives of EDC Risk and its Localized Implementation

*Nadav Even Chorev, European Institute of Oncology; Giuseppe Testa, European School of Molecular Medicine*

The Plasticity of Epigenetics: An Ethnography of the Enactment of Epigenetic Perspectives in a

Psychiatric Research Laboratory *Georgia Samaras, MCTS TU München*

Plastic Bodies and Rigid Societies: Epigenetics, Animal Models and Social Hierarchies *Paul*

*Martin, Department of Sociological Studies, University of Sheffield; Andrew Bartlett, University of Sheffield*

Chair:

**Becky K Mansfield**, Ohio State University

#### 242. The Promises and Pitfalls of Educational Technologies and Techniques

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Exeter*

Participants:

"Shaping the Future": Techniques of Future-telling in the Education Technology Field *hemy ramiel, Bar Ilan University*

The Politics of Technology: A View on the Connecting Equality Programme *Alejandro Artopoulos, Universidad de San Andrés; Gustavo Seijo, Universidad Nacional de General Sarmiento / CONICET*

Ulysses and the Sirens, Frankenstein, Cyborg and the Passion for Knowledge: Training in the Style and Sensibility of Science and Technology Studies *Assunta Viteritti, University of Rome*

Interdisciplinarity, Science, Technology and Teacher Education in a Historical-critical Perspective *Natalia de Lima Bueno, Tecnology University of Paraná*

Chair:

**Natalia de Lima Bueno**, Tecnology University of Paraná

## 243. The Ethnographic Effect: Imagining a Next Generation of Methodological Possibilities III

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Fairfax A*

Participants:

Analyzing the Analyst: Theater as Method in the Cognitive Neuroscience Laboratory *Yelena Gluzman, UCSD*

Affordances of the Smartphone for Knowing Together *Karen Walorp, Aarhus University*

Don't Worship the Stars: Opening the Black Box of 'Algorithmic Management' *Hatim Rahman, Stanford University*

Doubting Objects as Archaeological Analytics *Ben Alberti, Framingham State University*

Chair:

**Andrea Ballester**, Rice University

## 244. Science Research Policy and Politics

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Fairfax B*

Participants:

Navigating the Gap: Maintaining and Modifying the Science-policy Gap in Energy Policy Debates in Finland *Kamilla Karhunmaa*

What Sense Should We Make of Astronomy's Sensing Devices? *Eve Seguin, UQAM*

Of Bits and Pretzels and Resourceful Bureaucracies: Imaginaries of "Conservative Innovation" in Bavaria *Luise Martina Ruge, Munich Center for Technology in Society; Sebastian Michael Pfothner, Technical University Munich; Alexander Wentland, Technical University of Munich*

Energy Transitions and Environmental Justice: Planning for the Present *J Richter, ASU*

Chair:

**Eve Seguin**, UQAM

## 245. Transhumanism: Critical STS Engagements

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Gardner A*

Participants:

Transhuman Rights: Rawlsian Principles as a Framework for Discussing Transhumanist Challenges *Morten Bay, UCLA Department of Information Studies*

Uploaded Anthropologies: Moral Theory and STS in the Transhuman Debate *Levi Checketts, Graduate Theological Union*

Robert C. W. Ettinger and the (Trans) Human Condition *Grant W Shoffstall, Williams College*

Chair:

**Grant W Shoffstall**, Williams College

## 246. Indigenous Knowledges and Technologies II

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Gardner B*

Participants:

Indigenous People's Limited Participation in the Brazilian National Plan of Adaptation to Climate Change *Tiago Ribeiro Duarte, University of Brasília*

Indigenous Telecommunications: Community Innovations in Mobile Connectivity and Intranets *Claudia Magallanes-Blanco, UNIVERSIDAD IBEROAMERICANA PUEBLA*

Shamanic Microscopy *César Enrique GIRALDO HERRERA, Institute for Science, Innovation and Society, University of Oxford*

Have We Ever Developed "Modern" Technologies? Agricultural Irrigation Technologies in Peru and their Organizational, Symbolic and Environmental Characteristics *Julio Sebastián Zárate, Grupo de Análisis para el Desarrollo*

Technological Autonomy as an Articulating Axis in the Creation and Socialization of Knowledge in Indigenous Peoples of Oaxaca and Chiapas, Mexico *Carlos Francisco Baca Feldman, Universidad Iberoamericana Puebla; Erick Huerta Velázquez, Redes por la Diversidad, Equidad y Sustentabilidad A.C.*

Chair:

**Claudia Magallanes-Blanco**, UNIVERSIDAD IBEROAMERICANA PUEBLA

## 247. Time and Temporalities

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Hampton A*

Participants:

The Pace of Science: An Ecological Perspective *Stasa Milojevic, Indiana University; Filippo Radicchi, Indiana University; John Walsh, Georgia Institute Of Technology*

Chronopolitics in Experimental Physics: Technologies of Timework *Tereza Virtová, Institute of Philosophy, Academy of Sciences Czech Republic; Filip Vostal, Institute of Philosophy of the Czech Academy of Sciences; Libor Benda, Centre for Science, Technology, and Society Studies, Institute of Philosophy, Czech Academy of Sciences*

On the Epistemic Significance of Time in Science and Its Neglect in STS Research *Libor Benda, Centre for Science, Technology, and Society Studies, Institute of Philosophy, Czech Academy of Sciences*

For a Pedagogy of Future *Emilia Araujo, Universidade do Minho*

Chair:

**Emilia Araujo**, universidade do minho

## 248. Energy Matters

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Hampton B*

Participants:

Socio-Technical Systems and Urban Energy Politics in the 21st Century *Kelly Joyce, Drexel University; Diane Sicotte, Drexel University*

Dark Matter: Renewable Energy Transitions, Black Theory and Posthuman Currents *Myles Lennon, Yale University*

The Resilience of Sociotechnical Infrastructure *Changdeok Gim, Arizona State University*

Chair:

**Changdeok Gim**, Arizona State University

## 249. STS (In)sensibilities and Health Professions Education

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

Knowing, Not Knowing, and Knowing In-Between: Responding to Epistemological Rifts at an American Medical School *Julia Knopes, Case Western Reserve University*

Patient Labour and the Consequences of Excellence at the All India Institute of Medical Sciences (AIIMS) *Anna Ruddock, King's College London*

"The Fidelity to Checklist": Training the Body of the Standardized Patient in Clinical Simulation *Ivana Guarrasi, University of California, San Diego*

"You've Had That Training in Your Program": Genetic Counselors Making Sense of the Genomic Revolution *Susan Markens, Lehman College, CUNY*

Facing the 'Negro Problem' in Healthcare: A Black Political Critique of Cultural Humility *Kenneth Pass, Northwestern University; Emily Pingel, Emory University*

Chairs:

**Julia Knopes**, Case Western Reserve University

**Kelly Underman**, University of Illinois at Chicago

**Alexandra Vinson**



## 250. Philosophical Interventions into STS Questions

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Kent*

Participants:

Living from the Night: Dark Sky Preservation as a Question of Sensibility *Einar Engström, Science and Technology Studies, York University*

Provincializing Deep Learning *Michael Castelle, University of Chicago*

Categorias Gerais Orientadoras Do Desenvolvimento Nacional A Partir Das Obras Álvaro Vieira Pinto José Ernesto de Fáveri, *Fundação Universitária para o Desenvolvimento do Alto Vale do Itajaí*; Sandro Luiz Bazzanella, *Universidade do Contestado*

Chair:

**Einar Engström**, Science and Technology Studies, York University

## 251. The Sensibilities of East Asian STS: Strategies, Trajectories, and Visions II

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 5 - Public Garden*

Participants:

A Cross between the Pre-Modern and Modern in East Asian Nations: Gajeong Bogam (Household Treasure) in the Early 20th Century *Jung-Ok Ha, Seoul National University*

The Modern History of Leprosy: Emergence of a Scientific Entity in Colonial Contexts *Yiling Hung, National Chiao Tung University*

Comparing East Asia Technoscience: Note on Governing Risk of Multiple Embryo Transfer in Japan, South Korea and Taiwan *Chia-Ling Wu, National Taiwan University*

Science as Modernity in East Asia *Sean H-L LEI, Academia Sinica, Taiwan*

Chair:

**Michael M.J. Fischer**, M.I.T

Discussant:

**Sean H-L LEI**, Academia Sinica, Taiwan

## 252. Art, Craft, Labor: Countercultures of Computing from NASA to Facebook

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 5 - Riverway*

Participants:

Margaret Hamilton and the Core Memory Weavers *Daniela Rosner, University of Washington*

The Bohemian Factory: Art and Labor inside Facebook *Fred Turner, Stanford University*

Open Source Seeds: Plant Breeding and Bioart vs. Corporate Tech *Allison Carruth, UCLA*

Craftwork as Scientific Rhetoric: Examples from DIY bio *Elizabeth Pitts, University of Pittsburgh*

Back to the Future: 3D Printing and Digital Fabrication Technology in Historical Context *Daniel Southwick, University of Toronto*

Chair:

**Allison Carruth**, UCLA

## **253. Getting Past Inevitabilist Despair: On Guerilla and Action EthoEcologies**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 5 - The Fens*

Participants:

Intimate Political Ecologies: Crows, Coyotes, Humans, Genomes, Treaty *Brian Noble*,  
*Dalhousie University*

Loose Methods: Emergent Ethical Frameworks for Journalism in the Wake of Protests and  
New Technologies *Candis Callison*, *University of British Columbia*; *Mary Lynn Young*,  
*University of British Columbia*

"The Courage to Be Afraid": Finding Hope in Apocalyptic Anxiety *Zachary M Loeb*, *History &*  
*Sociology of Science*, *University of Pennsylvania*

Social, Technological, and Developmental Responses to Mongolian Dzud *Allison Hailey Hahn*,  
*City University of New York, Baruch College*

Chair:

**Candis Callison**, University of British Columbia

Discussant:

**Kim TallBear**, University of Alberta

## **254. Plenary: Opportunities and Challenges for an Engaged STS**

Plenary Session

5:45 to 7:15 pm

*Sheraton Boston: Floor 2 - Constitution*

Moderator:

**Kim Fortun**, University of California Irvine

Panel Members:

**Ruha Benjamin**, Princeton University

**Hsin-Hsing Chen**, Graduate Institute for Social Transformation Studies

**Hugh Gusterson**, George Washington University

**Sheila Jasanoff**, Harvard University

**Tania Pérez-Bustos**, National University of Colombia

**Nick Shapiro**, Chemical Heritage Foundation

## **255. 4S Banquet**

Special Event

7:30 to 10:30 pm

*Sheraton Boston: Floor 2 - Grand Ballroom*

## Saturday, September 2

### 256. Citizen Science I: Co-Constructing Citizen Science

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

Constructing Knowledge in Citizen Science Projects: On Amateurs' Sensibilities and Practices  
*Lorna Heaton, Université De Montréal; Florence Millerand, Université du Québec a  
Montreal - UQAM*

Community-led Environmental Sensing: Data Collection and Its Discontent *Maria Michails,  
Rensselaer Polytechnic Institute*

Performing Science: Experiments in Collective Visualization of Water Pollution *Laura Perovich,  
MIT; Sara Wylie, Northeastern University*

Mycoremediation: The Making and Unmaking of a Citizen Science *Joanna Steinhardt, UC  
Santa Barbara*

Chairs:

**Carsten Østerlund**

**Gabriel Mugar**, Engagement Lab at Emerson College

Discussant:

**Alan Irwin**, Copenhagen Business School

### 257. Crime, Discipline and Punishment

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

Beyond Micro-Penalties: Incentives and the Completion of the Disciplinary Society Framework  
*Harmeet Sawhney, Indiana University*

The Crime Scene Of Technology: Technical Felonies in the New York Subway Metrocard *Noah  
McClain, Illinois Institute of Technology*

Electronic Monitoring, Mass Incarceration, and the American Sociotechnical Imaginary  
*Jennifer Lieberman, University of North Florida*

Rikers Island Jails as Technoscientific Test Sites for Carceral Imaginaries *Ariel Ludwig,  
Department of History, Virginia Tech*

Chair:

**Ariel Ludwig**, Department of History, Virginia Tech

### 258. What is a Health System? Postcolonial Sensibilities and Health Systems as Objects of Inquiry and Critique

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

Peripheral Critiques, or Where is the System? Health Systems, Urban Relations, and Trajectories of Care *Ramah McKay, University of Pennsylvania*

Relational Infrastructures: Notes on Service Delivery from the Periphery *Alice Street, University of Edinburgh*

Interrogating Presence and Absence in South Africa's Cervical Cancer Crisis *Marissa Mika, University College London*

Haitian Researchers and the Production of Authoritative Knowledge *Pierre Minn, Université de Montréal*

Chair:

**Ramah McKay**, University of Pennsylvania

Discussants:

**Omar Al-Dewachi**, American University of Beirut

**Bharat Jayram Venkat**, University of Oregon

## 259. Contested Meatspace(s): Cultured Meat, Cellular Agriculture and the Futures of Foods

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Bioprinted In Vitro Meat: The Biomaterial Reconfigurations of Cellular Agriculture *Elisabeth Abergel, Université du Québec à Montréal*

Pre-Histories of Post-Meat: Science, Psychology, and Plant Protein, 1945-1973 *Joel Richard Dickau, University of Toronto*

Mimesis and Invention in the Cultured Meat Debates *Benjamin Aldes Wurgaft, MIT*

Chair:

**Benjamin Aldes Wurgaft**, MIT

Discussant:

**Neil Stephens**, Brunel University London

## 260. The Life of Organizations: Vitalism, Organism, and Mechanism

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Demons at Bell Labs *Jimena Canales*

Intangible Economies *Vincent Lepinay, Sciences Po*

Vitalist Venturing *Martin Giraudeau, London School of Economics*

Calculated Vitalism *Zsuzsanna Vargha, University of Leicester*

Chair:

**Martin Giraudeau**, London School of Economics

Discussant:

**Lukas Rieppel**

## 261. Detecting Autism: Medicalization and Diagnosis

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Abstraction and Forms of Knowledge in the Diagnosis of Autism Spectrum Disorder *Doug Maynard, University of Wisconsin; Jason Turowetz, University of Siegen, Germany*

Brain Scanning for Autism *Des Fitzgerald, Cardiff University*

De-Regulating Disorder: On the Rise of the 'Spectrum' as a Neoliberal Metric of Human Value *Anne McGuire, University of Toronto*

Sensing Autism: Diagnosis in Adults in Mid to Late Adulthood *Kate Jenkins*

Scientific Hegemony and the Production of Causal Knowledge of Autism *Claire Decoteau; Meghan Daniel, University of Illinois at Chicago*

Chair:

**Jennifer S Singh**, Georgia Institute of Technology

## 262. The Agenda(s) of Open Science

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

"Your Spectrogram Looks Like My Genomic Sequence Data" and Other Moments from the Trading Zones of Data Science *Brittany Fiore-Gartland, eScience Institute; Anissa Tanweer, University of Washington*

What is Open Science Supposed to Fix? *Philip Mirowski, University of Notre Dame*

Broken Science? You Only Need Post-Publication Peer Review to Fix It *Didier Tornay, CSi, I3, PSL Research Universitu, CNRS UMR 9217 (France)*

Chair:

**Philip Mirowski**, University of Notre Dame

## 263. Democracy, Science, and Technology I: Rationalities

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Rhetoric and Norms in Lay/Expert Dialogue *Andrew Feenberg, Simon Fraser University*

Rules and Regulations in Government-Sponsored Research Administration *Eriko Fukumoto, Arizona State University*

"Litigation is our last resort": The Role of Legal Pluralism in Movements for Indigenous Sovereignty, Environmental Justice, and the Rights of Nature *Bindu Panikkar, The University of Vermont; Jonathan Tollefson, University of Vermont*

Valuing Algae: The Coproduction of Algal Biotechnologies and Sustainable Development *Amy Braun, Department of Geography, University of North Carolina at Chapel Hill*

Land as Material, Habitat and Knowledge: Constructions of Resource Materialities in Bristol Bay, Alaska *Bindu Panikkar, The University of Vermont; Jonathan Tollefson, University of Vermont*

Chair:

**Sandra Braman**, Texas A&M University

## 264. Smart yet (in)Sensible? Feminist Critical Perspectives on “Smart Cities” I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Informating Urban Life, Engendering Spatial Technology *Kijun Yun, KAIST; Yoonjung Lee, KAIST*

Interface, Infrastructure, and Urban Data Imaginaries *Aaron Shapiro, University of Pennsylvania, Annenberg School for Communication*

Mission Convergence: The Smart City and “Muslim women” of Seelampur *Sreela Sarkar, Santa Clara University*

Racial Codes and Spatial Order in Smart-City Rio de Janeiro *Alessandro Angelini, Johns Hopkins University*

Chairs:

**Nassim Jafarinaimi**, Georgia Institute of Technology

**Kathi R Kitner**, Intel Labs

Discussant:

**Beth Coleman**, University Waterloo/MetaLab Harvard

## 265. Algorithms and their Politics

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Commonwealth*

Participants:

Better environmentalism through calculation?: Transforming economics from the inside out *Laura Alex Frye-Levine, University of Wisconsin–Madison*

Politics of Microseconds: Auditing Algorithms in Financial Markets *Bo Hee Min, University Of Wisconsin-Madison*

The Computer Will See You Now: When Diagnosis Goes Digital *Ramya M. Rajagopalan*

Big Biology, Infrastructures, Algorithms, and Race: How Genomics became Imbricated in Representations of Race *Joan Fujimura, University Of Wisconsin-Madison; Ramya M. Rajagopalan*

Chair:

**Ramya M. Rajagopalan**

## 266. Technoscientific Rent I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Dalton*

Participants:

Technoscience Rent: An Analytical Introduction to the Concept *Kean Birch, York University*

Value and the Distribution of Proximity: The Autorickshaw Meter and Regimes of Location

*William F Stafford Jr, UC Berkeley, Dept of Anthropology*

Technoscience Rents and the STS (Insensibilities) of Monopoly and Market Configurations.

*ASHISH N.A GOSAIN, Centre for Studies in Science Policy, Jawaharlal Nehru University*

Building the Market Society: How Markets are Justified in Everyday Life *Lawrence Busch,*

*Michigan State University*

Chair:

***Kean Birch***, York University

## 267. Sensing the Liveliness of Things and the Fragility of Life I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Exeter*

Participants:

Hacking into the Environment that Disables: Dependency Work in a Community with Shared

Disability and Chronic Illness *Alexandra Endaltseva, L'École des hautes études en sciences sociales / Linköping University*

Maintaining the Menstruating Body: Feminist Interventions on Public Infrastructure *Sarah*

*Fox, University of Washington*

Diversity Advocacy as Care and Maintenance in Open Technology Communities *Christina*

*Dunbar-Hester, University of Southern California*

In/Sensible Accountabilities: Maintaining Compassion in Health Care *Vicky Singleton,*

*Lancaster University*

How Does the Use of Robots Affect Care in Nursing Homes? *Ninin Lambert, Université de*

*Montréal*

Chair:

***Jérôme Denis***, CSI - MINES ParisTech

## 268. Modernity and Science/Technoscience

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Fairfax A*

Participants:

Science, Gender and the Modern Self *Chandra Mukerji*

Imagining Modern Forensics: Crime Scene Photography as Science and Art *Kelly Gates,*

*University of California, San Diego*

The Distinct Modernity of Post-genomics *Stefan Timmermans*

Science Fiction and the Experience of Modernity *Charles Thorpe*

An Infrastructural Fish Story: Water and Reflexive Modernity in California *Andrew Lakoff*,  
*University of Southern California*

Chair:

**Chandra Mukerji**

## 269. Making Sense of Climate Policy I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Fairfax B*

Participants:

The Construction of Climate Change Narratives *Naomi Oreskes, Harvard University - History of Science*

Beyond Climate Science-Policy Consensus? Lay Public Sense-Making of 2°C Future in Japanese Focus Groups *Shinichiro Asayama, Waseda University; Midori Aoyagi, National Institute for Environmental Studies; Masahiro Sugiyama; Atsushi Ishii, Tohoku University*

Actor Integrity in the Australian Climate-Energy Debate *Darrin Durant, University of Melbourne*

Linking the Global and Local: Perspectives from the Tea Grower community in North-East India *Sadaf Javed, Ms.*

Chair:

**Darrin Durant**, University of Melbourne

## 270. Expertise, Assessment and the Effectiveness of Research

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Gardner A*

Participants:

Mapping Connections: Scientific Knowledge and Social Movements in a Socioenvironmental Dispute in Brazil *Elisa Sampaio de Faria, Federal University of Minas Gerais; Alessandra Rondina Fonatensi Gomes, UFMG; Jéssica Alves, UFMG; Francisco Ângelo Coutinho, UFMG*

Dependent Autonomy: The Creative and Conditioning Embeddedness of Social Research *Claudio Ramos Zincke, Universidad Alberto Hurtado*

Evaluation as a Consultation Process: The Future Mode of Assessment of Government Funded S&T Research Organisations *JeeHyun Suh, Korea Institute of S&T Evaluation and Planning; Juho Kim, Korea Institute of S&T Evaluation and Planning*

Academic Evaluation as Signal and Symbol *kateria Guba, European University at St.Petersburg*

Chair:

**kateria Guba**, European University at St.Petersburg

## 271. Beyond Identification: Biometrics and Everyday Life

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Gardner B*



Participants:

Balancing Biometrics: Electronic Ankle Monitors and the Ethics of Digital Aesthetics *Lauren Kilgour, Cornell University*

The Moral Economy of Gestures *Yuliya Grinberg*

The Biometric University: Administration, Surveillance, and Identification of Students in Campus Dining Halls *Michelle Spektor, MIT*

Chair:

**Ranjit Pal Singh**, Cornell University

## **272. Responsible Research and Innovation in Academic Practice I: Institutions, Careers, Evaluation and Academic Integrity**

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Hampton A*

Participants:

Irritation, Care and Responsibility: Nature and Science Discourses on Transgressions of Good Academic Practice *Ulrike Felt, University of Vienna, Department of Science and Technology Studies*

(Re-)Disciplining Academic Careers: Caring for Interdisciplinarity and Careers in a Swedish Climate Science Research Center *Ruth Müller, MCTS TU München; Wolfgang Kaltenbrunner, Munich Center for Technology in Society (MCT)*

Bridging the Evaluation Gap *Paul Wouters, Centre for Science and Technology Studies, Leiden University*

Responsible Research: Classical View of Scientists' Social Responsibility v.s. New Wave of RRI including Re-institutionalization *Yuko Fujigaki, University of Tokyo*

Chairs:

**Maximilian Fochler**, University Of Vienna

**Sarah de Rijcke**, Centre for Science and Technology Studies (CWTS)

## **273. In the making, On the move: Global Perspectives on Technology Appropriation I**

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Hampton B*

Participants:

Is Technology Appropriation a Central Concept in STS? *Martin Andrés Perez Comisso, SFIS - Arizona State University*

Appropriating Mobile Phones for Livestock Production and Marketing: The Case of the Maasai and Wasukuma Pastoralists in Tanzania *Luis Lourenço Soares, ISSTI, University of Edinburgh*

Maintaining the Medium: Notes from the Television Repair Shops of Andhra Pradesh *Padma Chirumamilla, University of Michigan*

Making French Metro Run in Taipei: The Imported Large Technological System and Local Infrastructural Network *Kuo-Hui Chang, National Taiwan University*

Technology Reconfiguration and Emergence of New Practices: A Case of India Against Corruption *Nikhil Agarwal, University of Edinburgh; James Stewart, University of Edinburgh; Robin Williams, The University of Edinburgh*

Chair:

**Martin Andrés Perez Comisso**, SFIS - Arizona State University

## 274. It's All in the Mind?

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 3 - Kent*

Participants:

Becoming Parapsychology: How a Democratic Science of the Mind Moved to the Margins  
*Alicia Puglionesi, Consortium for the History of Science, Technology, and Medicine*

Beyond Black and White: Infant Visual Stimulation Cards as a Form of Neuroculture in Taiwan  
*Jia-shin Chen, National Yang Ming University*

Epistemic Injustice in Healthcare *Hui ren Bai, Xi'an Jiao Tong University, China*

Rethinking Ethnography in (Post)colonial New Caledonia *Nathanaelle Soler, EHES*

Chair:

**Alicia Puglionesi**, Consortium for the History of Science, Technology, and Medicine

## 275. Engaging Material Insensibilities and their Political Effects I: What Feminist Materialisms Can Contribute

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 5 - Public Garden*

Participants:

Bleaching Cells: Locations of Disavowal as Sites for Further Ethical Affection *Mara Dicenta-Vilker, RPI*

Contested Sonic Space: Settler Territoriality and Sonographic Visualization at Celilo Falls  
*Ashton Wesner, UC Berkeley*

Materializing Identity: Navigating, Mapping and Modeling the Terrain of Social Interaction  
*Marisabel Marratt, Georgia Institute of Technology*

On the In/Sensibilities of Solar Energy *Dagmar Lorenz-Meyer, Department of Gender Studies, Charles University in Prague*

Toward a Marine Microbiopolitics with Microbial Hauntings *Astrid Schrader, University of Exeter*

Chairs:

**Sigrid Schmitz**, HU Berlin

**Patricia Treusch**, Center for Interdisciplinary Women's and Gender Studies, Technical University Berlin, Germany

## 276. Technologies as Rubble? Destabilizing Narratives of Progress I

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 5 - Riverway*

Participants:

Does the Rubble of SuperPhenix Shelter or Cast a Shadow on Astrid's Cradle ? *Martin Denoun, GSPR/EHESS*

Experimenting With Rubble in Agro-Industrial Amazonia *David Rojas, Bucknell University*

Our Solar Debris *Jamie Cross, University of Edinburgh*

The Affective Presence of Abandoned Technologies: Clouds, Cannons and Community Struggle in Highland Ecuador *Tristan Partridge, UCSB, Anthropology*

Chair:

**Javiera Barandiaran**, University of California, Santa Barbara

## 277. Toxicity and Global STS

Panel Session

9:00 to 10:30 am

*Sheraton Boston: Floor 5 - The Fens*

Participants:

Quicksilver's Child: Mother-to-Infant Transmission of Mercury Toxicity *Ruth Goldstein*

"Tiny Threads": Building Demolition and Toxic Remediation in Detroit *Nicholas L. Caverly, University of Michigan, Ann Arbor*

Methyl Isocyanate Gas and the Molecular Physiology of an Industrial Disaster *Deboleena Roy, Emory University*

"A War Without Violence": Humanitarian Politics and the Flint Water Crisis *Elena Sobrino, Massachusetts Institute of Technology (MIT)*

Aflatoxin and the Global Scale of Toxicity *Lucas Melvin Mueller, Massachusetts Institute of Technology (MIT)*

Chair:

**Kim Fortun**, University of California Irvine

Discussant:

**Kim Fortun**, University of California Irvine

## 278. Foraging/Walking Tour: "Eating Humans: Eating into Future Cosmologies"

Special Event

10:00 to 11:00 am

*off-site event*

Presenters:

**Iain Kerr**, spurse

**Petia Morozov**, spurse

**Matthew Friday**, spurse

Chair:

**Rebecca Uchill**, University of Massachusetts, Dartmouth

## 279. Coffee Break

10:30 to 11:00 am

*Sheraton Boston: Foyer*

## 280. Citizen Science II: Agencies, Participation and Control Across Communities

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

Designing “Open Science Hardware”: From Community Spaces to Open Laboratories? *Luis Felipe Rosado Murillo, CNAM/IFRIS*

Scaling Up and Rolling out through the Web: The “Platformization” of Citizen Science and Scientific Citizenship *Niclas Hagen*

The Culture of Contribution in Citizen Science: Programs and Anti-programs *Dick Kasperowski, University of Gothenburg; Thomas Hillman, University of Gothenburg*

Parasite Labs: Laboratory Protocols of Do-It-Yourself Biology *Jonathan Cluck, Philadelphia University*

Two Monolithic Entities Meet and Communicate Through a Third: Human-Computer Interaction in Citizen Science *Nicolas James LaLone, Pennsylvania State University*

Chair:

**Nicolas James LaLone**, Pennsylvania State University

Discussant:

**Gwen Ottinger**, Drexel University

## 281. If Not Now Then When: STS and Critical Race Theory

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

Constructing Insignificance? Applying Critical Race Theory to Scientific, Regulatory, and Legal Failure in Environmental Justice Communities *Lauren Richter, Northeastern University*

Fade to White: The Disappearance of Black Hunger in American Socio-Biological Science *Kelly Moore, Loyola University Chicago*

Operating and Operationalizing Race: Racial Projects in Cosmetic Surgery *Alka Menon, Northwestern University*

Trading Zones and Cultural Differences: An Anti-Racist Approach to Computer Science Education Research *Michael Lachney, Rensselaer Polytechnic Institute*

Chair:

**Michael Mascarenhas**, Rensselaer Polytechnic Institute

## 282. Can the Subaltern Research? I

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

The Politics of Science, Technology, and Development: A View From India towards the World *Shobita Parthasarathy, University of Michigan*

A Meeting on the Amazon Biotechnology Center - a Sociotechnical Approach *Silvia Vaisburd, COPPE - UFRJ*

The Academy and Design as "Insensitizers" of Artisanal Production: Reflecting Their Tensions Based on Cases from Brazil *Paula Maria Areias de Freitas, Universidade Federal de Itajubá; Lauren Ferreira Colvara, Universidade Federal de Itajubá*

The Subaltern and Physics: Reconstructing Observers *Chanda Prescod-Weinstein, University of Washington*

Future Fire: Knowing and Making Pyrogeographic Risk *Timothy Neale, Deakin University*

Chair:

**David Nemer**, University Of Kentucky

## 283. The Politics of Deficit Construction

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

A Solution Looking for a Problem? Interrogating the 'Innovation Imperative' and the 'Deficit Model' of Innovation *Sebastian Michael Pfotenhauer, Technical University Munich; Joakim Juhl, DTU; Erik Aarden, University of Vienna*

New and Emerging Needs: the Case of Space Tourism *Harro van Lente, Maastricht University*

The Organ Shortage Deficit *Lindsey McKay, Brock University*

The Technology Assessment Agenda in Europe: From Institutional to Knowledge Deficit *Pierre Delvenne, Université de Liège (SPIRAL); Benedikt Rosskamp*

Deficient Populations, Deficient Policies? The Politics of Knowledge Repertoires on 'Healthy Food' in Obesity Prevention Practices in the Netherlands *Else Vogel, University of Amsterdam*

Looking for a National Deficit. How the European Union Reconfigures the French National Accounts Policy Production *Quentin Dufour, Université Paris-Dauphine*

Chair:

**Sebastian Michael Pfotenhauer**, Technical University Munich

## 284. Making Sense of Political Calculations

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Seeing Algorithms as Infrastructure: Making Sense of the Reddit Voting System in Narrative and Practice *Katherine Lo, University of California, Irvine; Alex S Taylor, Microsoft Research*

Accounting for Health: Scale as Techno-Sensibility in São Paulo *Jack Mullee, University of Chicago, Department of Anthropology*

Cultivating Taxpayer Subjects as Experts of Government *Kyle Willmott, Simon Fraser University*

The 'Social Rate of Discount' and the Sensibility of the Future *William P. Deringer, Massachusetts Institute of Technology (MIT)*

Pollsters Got It Wrong, Did Data Mining Get It Right? On Devices of Public Opinion *Laurie Waller; David Moats, Linköping University, Tema-T (Tema Technology and Social Change)*

Chair:

**William P. Deringer**, Massachusetts Institute of Technology (MIT)

## **285. Sensibility and Experience in Autism: Prostheses, Interaction, and Life Histories**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Growth in Context: The Emergence of a Disability Frame in Accounts of the Development of Adults with Autism *Benjamin DiCicco-Bloom, Hamilton College*

Reflections on What Moves Us *Melissa Park, McGill University*

Permeable Narratives, Permeable Selves: Mutant Roleplay and the Autism Spectrum *Elizabeth Fein, Duquesne University*

Who Let the Dogs In? The (In)Sensibilities of Autism Epistemologies in Light of Human-Canine Interaction *Olga Solomon, University of Southern California*

Chair:

**Chloe Silverman**, Drexel University

## **286. The (In)dependence of Research(ers): Good? Bad? Necessary?**

Panel Session

*11:00 to 12:30 pm*

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

Bridges and Boundaries: An Exploration of the Roles of REF2014 Impact Assessors *Peter Thayer Robbins, Open University (UK); Gordon Wilson, Open University; Andrew Watkins, Open University; David Wield, Open Univ*

Transformation through Competition: Independent Researchers and Dependence on Research Funding in the Biomedical Sciences *Annalisa Saloni, Independent Scholar, formerly University of Pennsylvania*

How Does the Redistribution of Research Opportunities Affect the Independence of Problem Choices? *Jochen Glaser*

The Metrics of Dependence: Research Entrepreneurs in an Epigenetics Laboratory *Clemence Pinel, King's College London; Barbara Prainsack, King's College London; Christopher McKeivitt, King's College London*

What Lay Underneath Innovation in Biotechnology: Risk and the Emergence of Translational Science and Medicine *Mark Robinson, DePaul University*

Chair:

**Ed Hackett**, Brandeis University

## 287. Democracy, Science, and Technology II: Money

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Data, Dependence, Democracy: Influence in the Secondary Use of Government Information

*Duncan Friend, University of Kansas*

Conflict of Interest, Transparency and Medicines *Boris Hauray, National Institute for Health and Medical Research*

The Technopolitics of a Basic Income *Daniel Breslau, Virginia Tech*

The End(s) of Science: Temporal Trajectories of Brazilian Biofuel Research *Katie Ulrich, Rice University*

Chair:

**Sandra Braman**, Texas A&M University

## 288. Smart yet (in)Sensible? Feminist Critical Perspectives on “Smart Cities” II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Traveling Models of Sensible Cities: Innovation and Social Inclusiveness in Medellín *Felix*

*TALVARD, Center for the Sociology of Innovation - Mines ParisTech*

Civicness in the Smart City: Solutions in Search of Problems *Burcu Baykurt, Columbia University*

Lock-In, Locked Out: Visions of ‘The Public’ in Smart City Data Programs *Meg Young*

Programming in the Margins: New Actors, New Systems, and New Ways of Knowing Urban Environments in a Populist Era *Hamil Pearsall, Temple University; Alan Wiig, University of Massachusetts, Boston; Michele Masucci, Temple University*

Chair:

**Beth Coleman**, University Waterloo/MetaLab Harvard

Discussant:

**Nassim Jafarinaimi**, Georgia Institute of Technology

## 289. Invited Session: Making Sense of Data Revolutions: STS Perspectives on the Social Dimensions and Ethical Obligations of Digital Media Technologies and Data Production

Panel Discussion

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Commonwealth*

Chair and Moderator:

**Mary L. Gray**, Microsoft Research/Indiana University

Panel Members:

**Ifeoma Ajunwa**, The Berkman Klein Center for Internet & Society at Harvard University

**Amy Johnson**, Amherst College

**Christian Sandvig**, University of Michigan

**Kalpana Shankar**, School of Information and Library Studies, University College Dublin

## 290. Technoscientific Rent II

Panel Session

11:00 to 12:30 pm

Sheraton Boston: Floor 3 - Dalton

Participants:

Beyond Academic Rentiership: Why Academic Knowledge is Not Naturally a Public Good But Needs to Be Made One *Steve Fuller, University Of Warwick*

“Fencing in” Tech Startups’ Strategies for Capturing Value *Jacob Hellman*

Indigenous Peoples and Biocolonial Appropriation of Rents and Value in NGS Forensic Genetic Technology Development *Mark Munsterhjelm, University of Windsor*

Chair:

**Kean Birch**, York University

Discussant:

**Alan Irwin**, Copenhagen Business School

## 291. Sensing the Liveliness of Things and the Fragility of Life: Bringing Care and Maintenance Together II

Panel Session

11:00 to 12:30 pm

Sheraton Boston: Floor 3 - Exeter

Participants:

Valuable Buildings, Disabled People: Tinkering with Maintenance and Care in Situations of Socio-Material Oppression *Michal Synek, Masaryk University / Charles University*

Re-Pairing Bodies, Users and Devices *Peter Fuzesi, Lancaster University*

Art under Nanotechnological Care: Bridging Conservation and Scientific Practices *Grace Kim, Massachusetts Institute of Technology (MIT)*

Configuring Repair: The Case of the MV Veteran *Donny Persaud, Memorial University Of Newfoundland*

The Germ and the Thaw: Maintenance, Performance, and Care in Seed Banking *Xan Chacko, University of California, Davis*

Chair:

**Fernando Dominguez**, NYU

## 292. Property Matters

Panel Session

11:00 to 12:30 pm

Sheraton Boston: Floor 3 - Fairfax A



Participants:

Copyright and Car Modding: The Conflict Over Vehicle Ownership and Vehicle Software  
 Copyright *Michelle C Forelle, University of Southern California, Annenberg School for  
 Communication & Journalism*

Property as Technology *Veit Moritz Braun, LMU Munich*

Twilight Zones – Scientific and Tacit Practices at the Crime Scene *Susana Costa, Centre for  
 Social Studies*

Ideology and Technology Transfer: A Case Study of Reverse Engineering of the Hongqi  
 Limousine *Longfei Pan, Center for Social Studies of Science, Peking University; Cheng ZHOU,  
 Center for Social Studies fo Science, Peking University.*

Chair:

**Veit Moritz Braun**, LMU Munich

## 293. Making Sense of Climate Policy II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Fairfax B*

Participants:

Climate Policymaking at the City Level: Findings from Three Canadian Cities (Vancouver,  
 Calgary and Toronto) *Julie Hagan, Université Laval; Louis Guay; Yuan Zheng Li, Laval  
 University*

Climate Change Movements and the Courts: Policy-Making and the Role of Science *Sabrina  
 McCormick, George Washington University; Robert Glicksman, The George Washington  
 University Law School; Leroy Paddock, The George Washington University Law School;  
 Samuel J. Simmens, The George Washington University; Daniel Kim, The George  
 Washington University; William Davies, The George Washington University Law School;  
 Brittany Whited, The George Washington University*

Climate Change Litigation: Scientists under Scrutiny *Daniel Kim, The George Washington  
 University; Sabrina McCormick, George Washington University; Robert Glicksman, The  
 George Washington University Law School; Leroy Paddock, The George Washington  
 University Law School; Samuel J. Simmens, The George Washington University; William  
 Davies, The George Washington University Law School; Brittany Whited, The George  
 Washington University*

Chair:

**Darrin Durant**, University of Melbourne

## 294. Collaborative and Participatory Science

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Gardner A*

Participants:

Assembling Narratives: Tensions in Collaborative Construction of Epistemic Narratives *Emad  
 Khazraee, Kent State University*

Authorship and career in a High Energy Physics experiment *Emiko Adachi, RIKEN*

Disciplinary Capture, Path Dependence, and Resource Management *Evelyn Brister, Rochester Institute Of Technology*

Chair:

**Evelyn Brister**, Rochester Institute Of Technology

## 295. Beyond Identification: Biometrics and the State

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Gardner B*

Participants:

Biometric Registration of Refugees in Greek Borders in Times of "Crisis" *Vasilis Vlassis, IT University of Copenhagen*

Imagining a State and Society Transformed: Fingerprinting and Governance in Early Twentieth-Century China *Daniel Asen, Rutgers University - Newark*

Political Economy of Digital Biometric IDs: A Case of Aadhaar in India *Bidisha Chaudhuri, International Institute of Information Technology Bangalore*

Writing, Signing, Scanning: Redistributive Justice and the Politics of Visibility in the Era of E-Governance *Ursula Rao, University of Leipzig*

Chair:

**Michelle Spektor**, MIT

Discussant:

**Ranjit Pal Singh**, Cornell University

## 296. Responsible Research and Innovation in Academic Practice II: Anticipation, Care and Responsiveness

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Hampton A*

Participants:

Caring for the Group – and Beyond? Enhancing Responsibility through Funding Structures *Maja Horst, University of Copenhagen*

Imaginations of Responsibility and their Performances *Gisle Solbu, Norwegian University of Science and Technology; Heidrun Åm*

Conflicts, Contingency, and Funding Strategies in Research on 'Grand Challenges' *Wolfgang Kaltenbrunner, Munich Center for Technology in Society (MCT)*

Anticipation between Serendipity and Audit: Predicaments of Responsible Practice in the ILfe Sciences *Ulrike Felt, University of Vienna, Department of Science and Technology Studies; Maximilian Fochler, University Of Vienna; Lisa Sigl, Research Platform Responsible Research and Innovation in Academic Practice, University of Vienna*

Chair:

**Alex Rushforth**, CWTS, Leiden University

## 297. In the Making, On the Move: Global Perspectives on Technology Appropriation II

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Hampton B*

Participants:

The International Politics of Dramatically Dangerous Technologies *Ole Waever, University of Copenhagen*

Un caso de transición socio-técnica: la instalación de un régimen de saneamiento en Santiago de Chile, a inicios del siglo XX *Miguel Muñoz, Instituto de Estudios Avanzados - Usach*

The Care of the World: Maintenance Practices in the Pan-African e-Network *Vincent Duclos, Drexel University Center for Science, Technology & Society*

Exporting Engineering for Justice *Marie Stettler Kleine, Virginia Tech*

Chair:

**Martin Andrés Perez Comisso**, SFIS - Arizona State University

## 298. Narratives of Science and Scientists: Heroes, Monsters and Victims

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

Frankenstein 200: A Transmedia Approach to Engaging the Public in Dialogue and Activities Related to Responsible Innovation *Rae Ostman, Arizona State University*

A Sustainable Catastrophes Market Forecast *Michael Bennett, Arizona State University*

What Can Scientists Learn from Victor Frankenstein? *Peter Nagy, Arizona State University; Ruth Wylie, Arizona State University; Ed Finn, Arizona State University; Joey Eschrich, Arizona State University*

Chair:

**Ruth Wylie**, Arizona State University

Discussants:

**Michael Bennett**, Arizona State University

**Ruth Wylie**, Arizona State University

## 299. (Non)Sense-making in/of Neural Sciences and Technologies

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 3 - Kent*

Participants:

Naturalizing Responsibility by Neuroscience: A Coproductionist Analysis *Kevin Chien-Chang Wu, National Taiwan University College of Medicine*

Research Infrastructure and Psychiatric Thought: (Re)Negotiating the Place of Diagnosis in Psychiatry *Martyn Pickersgill, University of Edinburgh*

Revolting Data: A Feminist Technoscience Approach to Making Contemporary Neuro Memento Mori *Jane Prophet, Goldsmiths College, University of London*

Stop Making Sense: Pseudo-Meaning in Cognitive Neuroscience Experiments *Sarah Klein, University of California, San Diego*

Chair:

**Kevin Chien-Chang Wu**, National Taiwan University College of Medicine

### **300. Engaging Material Insensibilities and their Political Effects II: What Feminist Materialisms Can Contribute**

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 5 - Public Garden*

Participants:

A Pluralistic Perspective on In/sensibilities and Politics of Neurohumanities *Sigrid Schmitz, HU Berlin*

Engaging the Maternal Microbiome as Material and Materializing *R Howes-Mischel, James Madison University*

Institutionalizing Binary Sex: A Feminist Analysis of Two Controversies in the Science of Sex Difference *Madeleine Pape, University of Wisconsin-Madison*

Sense-abilities of Cognition: A Feminist Materialist Framework for AI *Patricia Treusch, Center for Interdisciplinary Women's and Gender Studies, Technical University Berlin, Germany*

Chair:

**Dagmar Lorenz-Meyer**, Department of Gender Studies, Charles University in Prague

### **301. Technologies as Rubble? Destabilizing Narratives of Progress II**

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 5 - Riverway*

Participants:

Society's Versions in Technical Objects: Genealogy of Sociotechnical Imaginaries in the Chile's Interconnected Electrical System *Monica Humeres Riquelme*

Making Sense of Regional Blocks in Internet Access and Use *Anne Elizabeth Jonas, UC Berkeley School of Information*

Desire for the Worst: An Ethnography of Nuclear Attachment in Carlsbad, New Mexico *Basak Saraç-Lesavre, Virginia Tech*

Chair:

**Tristan Partridge**, UCSB, Anthropology

Discussant:

**Javiera Barandiaran**, University of California, Santa Barbara

### **302. Metrics: Creating by Measuring**

Panel Session

11:00 to 12:30 pm

*Sheraton Boston: Floor 5 - The Fens*

Participants:

Technology, Expertise, and the Determination of Sexuality in Two Areas of Law *Stefan Vogler, Northwestern University*

A Survey Instrument for Measuring Trust in Scientists *Dilshani Sarathchandra, University of Idaho*

Developing Food-Energy-Water Nexus Indicators as a Complex Data Assemblage: A case study of Metro Denver *Sonya Ahamed, University of Vermont; Joshua Sperling, National Renewable Energy Laboratory; Jennie Stephens, University of Vermont*

Evaluating Entrepreneurial Universities: Recognising the Paradox *Seppo Poutanen, University of Turku, Turku School of Economics; Anne Kovalainen, University of Turku, Turku School of Economics; Matti W Karinen, Research assistant*

Making Sense of Health Care Quality: A Methodological Paradigm Shift *Sarah L Goff, UMASS-Amherst*

Chair:

**Sarah L Goff**, UMASS-Amherst

**303. SSS Editorial Board Meeting**

Business Meeting

12:30 to 2:00 pm

*Sheraton Boston: Olmstead*

**304. Math, Law, and Civil Rights: Interdisciplinary Interventions in Gerrymandering**

Lunchtime Workshop

12:45 to 1:45 pm

*Sheraton Boston: Floor 3 - Beacon A*

Presenter:

**Moon Duchin**, University Of California At Davis

**305. Doing Science through Feminist Speculative Fiction Writing**

Lunchtime Workshop

12:45 to 1:45 pm

*Sheraton Boston: Floor 3 - Beacon D*

Presenters:

**Xan Chacko**, University of California, Davis

**Sara Giordano**, San Diego State University

**Rana Jaleel**, University of California-Davis

**Sarah Rebollosa McCullough**, University of California San Diego

**Jasmine Wade**, UC Davis

**306. Ingesting the Informational Imaginary**

Lunchtime Workshop

12:45 to 1:45 pm

*Sheraton Boston: Floor 3 - Beacon E*

Presenters:

**Krithika Ramchander**, MIT

**Elizabeth Hoover**, Brown University

**Iain Kerr**, spurse

**Petia Morozov**, spurse

**Matthew Friday**, spurse

Chairs:

**Christy Spackman**, Harvey Mudd College

**Rebecca Uchill**, University of Massachusetts, Dartmouth

### 307. Ethnographers' Lunch

Lunchtime Workshop

12:45 to 1:45 pm

*Sheraton Boston: Floor 3 - Beacon F*

Convenor:

**Nick Seaver**, Tufts University

### 308. Decolonizing STS Meet-up

Lunchtime Workshop

12:45 to 1:45 pm

*Sheraton Boston: Floor 3 - Beacon G*

### 309. Ethnografilm Dalies III

Lunchtime Workshop

12:45 to 1:45 pm

*Sheraton Boston: Floor 3 - Commonwealth*

### 310. Tensions and Challenges for Environmental Citizen Science I: Scientization of Activism

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

Strongly Participatory Science and Collaborative Analysis: Circumventing the “Scientization” Problem *Barbara Allen, Virginia Tech's National Capital Region Campus*

Citizen Science and Food Justice *Abby Kinchy, Rensselaer Polytechnic Institute; Daniel Seel, Rensselaer Polytechnic Institute*

Citizen Sensing: From Technology to Activism *Ehsan Sabaghian, School of Information Studies, Syracuse University; Sikana Tanupabrungsun, School of Information Studies, Syracuse University; Murali Venkatesh, School Of Information Studies, Syracuse University; Manali Paresh Shiurkar, School of Information Studies, Syracuse University; Harsh Manoj Avlani, School of Information Studies, Syracuse University*

Contesting Risk, Environmental Justice, and Knowledge on Radford Arsenal's Fenceline *Gregory D Nelson, Northern Arizona University*

Chair:

**Abby Kinchy**, Rensselaer Polytechnic Institute

Discussant:

**Aya Hirata Kimura**, University of Hawaii

### 311. Captivating Technology: Race, Technoscience, and the Carceral Imagination

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

This Is Not "Minority Report" *Joshua Scannell, CUNY Graduate Center*

Deception by Design: Carceral Lures and Interventions into Child Sexual Exploitation *Mitali Thakor*

Shadows of War, Traces of Risk: Preemptive Policing and the Production of Carceral Space in Atlanta, GA *Andrea Miller, UC Davis*

Anti-Racist Technoscience: A Generative Tradition *Ron Eglash, Rpi*

Chair:

**Ruha Benjamin**, Princeton University

Discussant:

**Ruha Benjamin**, Princeton University

### 312. Can the Subaltern Research? II

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

Research Excellence in Africa: Policies, Perceptions and Performance *Erika Kraemer-Mbula; Robert J W Dr Tijssen, Cwts Univ Of Leiden*

"Almost White, Almost Black" in Brazilian Academic Research *Márcia Regina Barros da Silva, Universidade de São Paulo - USP*

Can the Subaltern Propose a New Subject? The Ibero-American Networks on Psy and STS Studies *Arthur Arruda Leal Ferreira, Federal University of Rio de Janeiro (UFRJ); Jimena Carrasco*

The Mapping of Grief in Peixinhos: Combining Story Telling and Geo-Processing Techniques to Confront Official Maps of Violence *Catarina Morawska Vianna, Federal University of São Carlos (UFSCar)*

Chair:

**Anita Chan**, U. of Illinois, Urbana-Champaign, ICR

### 313. Making Nothing: Institutional Practices of Producing Absence I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Disappearing Disaster Debris in the North Pacific *Kim De Wolff, University of California, Merced*

Cultural Productions of Absence: American Football and Concussion Non-Disclosure *Jennifer Croissant, University Of Arizona*

Unmaking Gustatory Erasure in Bottled Water Production *Christy Spackman, Harvey Mudd College*

Discussant:

**Etienne Benson**, University of Pennsylvania

### **314. The Valency of Misplaced Concreteness**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Architecture and the Algorithm, or: What Happens When Abstract Art Meets Concrete Poetry? *Matthew Allen, Harvard University*

Global Translation, Oriental Spaces: The Work of Abstracting Eastern Aesthetics in 20th-Century American Mathematics *Clare Kim*

Plexes and Patches: Ambivalent Artifacts of Computer-Aided Design *Daniel Cardoso Llach, Carnegie Mellon University*

Midcentury Mathematics and Aesthetic Autonomy *Alma Steingart, Harvard University*

Graphs as Designs: The Concreteness of Mathematical Abstraction in 1960s Design Theory *Theodora Vardouli*

Chair:

**Theodora Vardouli**

### **315. Sensitizing Autism Care: Access, Inequality and Context**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Alternative Ways of Knowing: Black Caregivers of Children with Autism *Jennifer S Singh, Georgia Institute of Technology*

Cultural Self-Critiques and the Making of ASD Sensibility in China *Emily Xi Lin, MIT - Anthropology*

The "Western Disease": Epistemic Contestations over Autism in the Somali Diaspora *Claire Decoteau*

Chair:

**Jennifer S Singh**, Georgia Institute of Technology

Discussant:

**Chloe Silverman**, Drexel University

### **316. Black Boxes at Work: Approaches to Studying Corporate Software in the Wild**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Beacon H*



Participants:

The Archives of Automated Hiring *Daniel M. Greene, Microsoft Research; Ifeoma Ajunwa, The Berkman Klein Center for Internet & Society at Harvard University*

Studying Stickiness: WeChat's Platform Economy *Yujie Chen, Chinese University of Hong Kong*

Fantasies of Finance: Researching Inequality Through Technological Institutions *Tressie McMillan Cottom, Virginia Commonwealth University*

Against Access *Nick Seaver, Tufts University*

Chair:

**Daniel M. Greene**, Microsoft Research

Discussant:

**Laura Forlano**

### 317. Democracy, Science, and Technology III: Citizenship

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Contestations over Spaces of (Un)Democratic (In)Transparency in Danish Wind Power

Deployment *Julia Kirch Kirkegaard, Technical University of Denmark; David Philipp*

*Rudolph, Technical University of Denmark; Tom Cronin, Technical University of Denmark*

The Government, Experts, Media and Public in the Safety Assessment of Agricultural GM

Organism: A Case Study in China *Zhicong Shang, University of Chinese Academy of Sciences*

Priority Setting in Food and Health Research Domain: Legitimacy Criteria and Processes *Lada*

*Timotijevic, University of Surrey; Shumaisa Kahn, University of Brighton*

Chair:

**Sandra Braman**, Texas A&M University

Discussant:

**Christoph B Graber**, University of Zurich

### 318. Practicing Urban Planning

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Data Margins: Situating Planning Support Technology between Ethnographic and Statistical

Methods in Brazilian Informal Settlements *Kristine Stiphany, The University of Texas at Austin; Letícia Palazzi Perez, Universidade Federal do ABC*

Studying Participatory Planning Tools beyond their Design Expectation *Shahnoor Hasan,*

*UNESCO-IHE Institute for Water Education; Jaap Evers, UNESCO-IHE Institute of Water Education; Margreet Zwartveen, UNESCO-IHE Institute for Water Education*

Smart Cities: The Intersection of Citizenship *Alyssa Rumsey, Georgia Institute Of Technology*

Situating Smartness: Towards a Productive Critique of Urban Science *Anthony Levenda, Arizona State University*

Chair:

**Anthony Levenda**, Arizona State University

### 319. Art, Artifacts and the Truth Machine: Mike Lynch, Past and Future

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Commonwealth*

Participants:

**Gary Downey**, Virginia Tech

**Joan Fujimura**, University Of Wisconsin-Madison

**Alan Irwin**, Copenhagen Business School

**Martina Merz**, Alpen-Adria-Universität Klagenfurt, Austria

Chair:

**Kim Fortun**, University of California Irvine

Discussant:

**Michael Lynch**, Cornell University

### 320. Performing Economy

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Dalton*

Participants:

Infrastructuring to Envision Alternative Economies *Maryam Heidaripour, Illinois Institute of Technology*

The Institutional Logics of Non-Institutional Economies: Value Identities in the Bitcoin Experience. *Alexander Kinney, University of Arizona*

On the Claims for Prosperity in the Age of Brexit and Trump *Raphael Sassower, University of Colorado, Colorado Springs*

Ethical Reflections on the Equity of the Current Basic Health Insurance System Reform in China: A Case Study in Hunan Province *Junxiang Liu, Center for Bioethics, School of Humanities, Peking Union Medical College, Beijing, China*

Chair:

**Maryam Heidaripour**, Illinois Institute of Technology

### 321. Sensing Subjectivities: Biosensing and Human/Machine Entanglements

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Exeter*

Participants:

Mood Tracking and the Emotional Politics of Interfaces *Charles Luke Alan Stark, Department of Sociology, Dartmouth College*

Narratives and (Consumer) Brainscanning *Nick Merrill, BioSENSE, UC Berkeley School of Information*

Emotional Interpretation & Materiality of Biosensory Data: Design Studies & Reflections

*Noura Howell, School of Information, UC Berkeley*

Exploring Biosensing Privacy Futures with Design Fiction and Science Fiction *Richmond Y*

*Wong, University of California, Berkeley*

Virtual Sensing: Perceptual Illusions in the Age of Virtual Reality *Lisa Messeri, Yale University;*

*Lauren Welch, University of Virginia*

Chair:

**Dawn Nafus**, Intel

Discussant:

**Alex S Taylor**, Microsoft Research

### **322. A Sense of Balance: Techniques and Technologies of Self-regulation**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Fairfax A*

Participants:

Sensing Oneself Balanced: Training, Improvisation, Politics *Joseph Dumit, UC Davis*

On Balance *Rachel Prentice, Cornell University*

Witnessing Whiteness: A Vertigo Story *Kelli Moore, NYU - MCC*

Sensibility, Body, and Attunement *Hélène Mialet, York University STS*

Sensor Technology as a Thermostat of the Self *Natasha Schull, NYU - MCC*

Chairs:

**Natasha Schull**, NYU - MCC

**Hélène Mialet**, York University STS

### **323. Frontiers of Climate Change and Extinction: Rendering Worlds Familiar and Strange**

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Fairfax B*

Participants:

Extinction Tourism: Climate Change, Artic Human Zoos and the Politics of Spectatorship

*Annette Bickford, York University*

Genetics as a New Frontier for Environmental Climate Change Responses *Valerie Berseth,*

*Department of Sociology, University of British Columbia; Tim Hawkins, Department of*

*Forest Resources Management, University of British Columbia; Jordan Tesluk, Department*

*of Sociology, University of British Columbia; Ralph Matthews, Department of Sociology,*

*University of British Columbia*

Media and Transnational Climate Justice: Indigenous Activism and Climate Politics *Matthew*

*Tegelberg, York University*

How Controversies Start a New Life: GMO and Non-GMO soybean Sustainable Certification

*Julia Silvia Guivant, Federal University of Santa Catarina*

Chair:

**Annette Bickford**, York University

### 324. Institutional Theory and Large Technical Systems

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Gardner A*

Participants:

Governance Institutions and Large Technical Systems *Hans Klein, Georgia Tech, School of Public Policy*

Artifact as Product: Google and Google Car at the Intersection of Social and Material Networks *John Paul Lunsford, Cornell University, Department of Communication*

Social and Data Design Aspects of the Inter-Institutional Justice and Peace Information System in Colombia *Javier Jimenez Becerra; Jorge Rojas Alvarez*

A Political and Technological Anatomy of a Mobile Phone Crack *Niels Jorgensen*

Institutions and Infrastructures: Audience Manufacture and the Making of a Market *Lee McGuigan, University of Pennsylvania*

Chair:

**Hans Klein**, Georgia Tech, School of Public Policy

### 325. Biolegalities in Globalization: Investigating Ethical In/Sensibilities

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Gardner B*

Participants:

Towards a Legal Taxonomy of Hybrid Life *Marc De Leeuw, The University of New South Wales*

Gene Editing Technologies and Emerging Issues with the Biosafety Law in Japan *Tomiko Yamaguchi, International Christian University*

Expanding Ethical Sensibilities in Agricultural Biotechnology: Regulating Socio-Economic Considerations in Kenya and South Africa *Koen Beumer*

The Regulations and Ethical Narratives about Stem Cell Research *HungYin Tsai, Virginia Tech*

Chairs:

**Sonja Van Wichelen**, University of Sydney

**Marc De Leeuw**, The University of New South Wales

### 326. Internationalizing Science and Technology I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Hampton B*

Participants:

A Critical View on Fostering "Science": Between Borders and Obstacles *Stefan Klein, Universidade de Brasilia (UnB)*

At the Periphery: International Collaboration Challenges of Return Migrants in India *Meghna Sabharwal; Roli Varma, University Of New Mexico*

Design and Making of Competitiveness in West Africa: Following World Bank "Experts" and "Technical Assistances" *Felix BOILEVE, CSI MinesParisTech*

The Internationalization of National Energy Research Groups: Network Formation and Political-Scientific Strategy *Victor Luiz Alves Mourao, Federal University of Viçosa (UFV-Brazil); Daniela Alves, Universidade Federal de Viçosa; Daniel Aparecido Cabral, Federal University of Viçosa (UFV-Brazil)*

How to Build a Modern Scientific Research Institute in China: A Case Study of National Institute of Biological Sciences, Beijing (NIBS) *LI ZHANG, National Academy of Innovation Strategy; HUI LUO, National Academy of Innovation Strategy, CAST; RUI CHEN, National Academy of Innovation Strategy, CAST*

Chair:

**Leandro Rodriguez Medina**, Universidad de las Americas Puebla

### 327. Television as a Contested Site of the Creation of Knowledge and Social Imaginaries

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

Illusions of Actuality: Exploring Fictional Elements of Factual Television Programs *Ingrid Ockert, Princeton University*

Shark Week, Sitcoms, and Soap Commercials: How Unexamined Daily Encounters Shape Our Views of Science *Megan Halpern, Michigan State University; Eleanor Louson*

Television Autopsy: Dead Dinosaurs, Live Scientists and Social Imaginaries in a National Geographic Special *Elana Shever, Colgate University*

Trickster Epistemologies and Worldviews in David Lynch's Twin Peaks *Aadita Chaudhury*

Framing Health and Illness: The Case of the Television Magazines *Pascale MANSIER, LCP-IRISSO*

Chairs:

**Aadita Chaudhury**

**Ingrid Ockert**, Princeton University

### 328. The Ends of the Nervous System

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 3 - Kent*

Participants:

Connectivity Itself, Or, How to Distribute Your Nervous System *Matthew Wolf-Meyer, Binghamton University*

The Case for Animal Electricity: Brains, Machines, and Electrical Ontologies *Caitlin Shure, Columbia University*

What Colour is the Brain? *Johanna Pokorny, University of Toronto*

The Nervous System, Senses, and Signals in Human and Non-human Environments *Stephanie Lloyd, Université Laval*

Chair:

**Matthew Wolf-Meyer**, Binghamton University

Discussant:

**Victoria Pitts-Taylor**, Wesleyan University

### 329. Affect and Emotion across Sites of Technoscience I

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 5 - Public Garden*

Participants:

Emotion, Mood, and Routine Time in Laboratory Life *Donald Alfred Everhart, UCSD*

Feeling for the Future: Emotional Extraction and the Technoscience of Predictability *Jan M Padios, University of Maryland, College Park*

Affective Engagement as a Skill: Craftsmanship in Stem Cell Science *Mianna Meskus, University of Helsinki, Department of Social Research*

Balancing Normative Expertise with Affective Engagements in the Field of Organoids' Biobanking: The Case of Italy's Epigenomics Flagship Project (EPIGEN) *Luca Marelli; Giuseppe Testa, European School of Molecular Medicine*

Chair:

**Venla Oikkonen**, University of Helsinki

### 330. Questioning Intervention with and within Science and Technology Studies

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 5 - Riverway*

Participants:

Critique as Intervention: Questioning the Research/Impact Divide *Stefan Schäfer, Institute for Advanced Sustainability Studies; Robert David Jonathan Smith, University of Nottingham; Michael Bernstein, Arizona State University; Stevienna de Saille, University of Sheffield; Sean Low, Institute for Advanced Sustainability Studies (IASS)*

Intervention Inversions: A Framework to Understand Existing Practices *Michael Bernstein, Arizona State University; Robert David Jonathan Smith, University of Nottingham; Stefan Schäfer, Institute for Advanced Sustainability Studies; Shannon Spruit, Delft University of Technology; Eleanor Hadley Kershaw, Institute for Science & Society, University of Nottingham; Sarah Hartley, University Of British Columbia; Rider W Foley, University of Virginia; Richard Rushforth, Northern Arizona University; Philip Boucher, University of Manchester; Andrew Chilvers, University College London; Lalitha Sundaram, University of Cambridge*

Delivering Impact, Steering Science? Intervening in Strategic Research Policy *Robert David Jonathan Smith, University of Nottingham; Sarah Hartley, University Of British Columbia*

Science Policy and Zombie Sensibility: Introducing Scientists and Engineers to Science Outside the Lab *Michael Bernstein, Arizona State University*

Who is Intervening in Synthetic Biology? *Lalitha Sundaram, University of Cambridge*

Chair:

**Michael Bernstein**, Arizona State University

### 331. Island Imaginaries: From Repositories to Experimental Labs

Panel Session

2:00 to 3:30 pm

*Sheraton Boston: Floor 5 - The Fens*

Participants:

Can an Island Nation Be a Global Test-Bed? The Politics of Experimentation in Singapore.

*Madeleine Akrich, CSI-Ecole Des Mines De Paris; Jerome Denis, Telecom ParisTech; Liliana Doganova, Centre de Sociologie de l'Innovation (CSI) - MINES-ParisTech; Brice Laurent, Ecole Des Mines De Paris; David Pontille, Cnrs*

Earth as Island *Claire Webb, MIT - Anthropology*

From Red Island to Green Island: Cultural and Political Implications of HVDC Cables in Korea  
*Seung Hee Cho, Korea Advanced Institute of Science and Technology (KAIST)*

The Hawaiian Islands: Of Island Biogeography, Sustainable Future Imaginaries, and (Other) Lived Sensibilities *Mascha Gugganig, Technical University Munich*

Chair:

**Mascha Gugganig**, Technical University Munich

Discussant:

**Rebecca Lemov**, History of Science Harvard

### 332. Coffee Break

3:30 to 4:00 pm

*Sheraton Boston: Foyer*

### 333. Tensions and Challenges for Environmental Citizen Science II: Expertise and the State

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon A*

Participants:

Tracking Changes to US Federal Data in a "Post-Truth" World *Rebecca Lave, Indiana University Department Of Geography*

Gendered Scientization and Citizen Science *Aya Hirata Kimura, University of Hawaii*

Using Indexical Design and Counter-Mapping to Collaboratively Ground the Hazards of Oil and Gas Extraction *Lourdes Annette Vera, Northeastern University; Sara Wylie, Northeastern University; Drew Michanowicz, Harvard School of Public Health*

Chair:

**Aya Hirata Kimura**, University of Hawaii

Discussant:

**Abby Kinchy**, Rensselaer Polytechnic Institute

### 334. Racial Mattering and Scientific (In)Sensibilities

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon B*

Participants:

Ape Motherhood as Counter-Science in a Colonial Home: Orangutan Rehabilitation in Sarawak *Juno Salazar Parrenas, The Ohio State University*

Sense of Things: Zoonosis, Xenotransplantation, and the Mattering of Race in Nalo Hopkinson's 'Brown Girl in the Ring' *Zakiyyah Iman Jackson, George Mason University*

HIV is Racist *Adam M Geary, University of Arizona*

Medusa, Colonial Racism, and Coral Bleaching *Eva Hayward, University of Arizona*

Analyzing "Race" as a Scientific Object: circulating "race" through time (1927-1970) and space (Berlin-Pune) *Thiago Pinto Barbosa, Leibniz-Zentrum Moderner Orient*

Chairs:

**Eva Hayward**, University of Arizona

**Adam M Geary**, University of Arizona

### 335. Can the Subaltern Research? III

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon D*

Participants:

Whose Knowledge of Nature Counts in Courts of Law in Chile and Colombia? *Javiera Barandiaran, University of California, Santa Barbara*

Subaltern Research on Emission Standards to Abate Arsenic Pollution *Cecilia Ibarra, Universidad de Chile*

"The Revolution Will Come from the Slum": Subaltern Views for Social Changes *Narrira Souza, Universidade Federal de Goiás*

Chairs:

**David Nemer**, University Of Kentucky

**Lars Bo Andersen**, Aarhus University

### 336. Making Nothing: Institutional Practices of Producing Absence II

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon E*

Participants:

Unbreathable: The Absence of Air in Asthma Treatment *Ali Kenner, Drexel University*

From Shale Gas Revolution to Nothing at all: The Case from Poland *Agata Stasik, Kozminski University; Aleksandra Lis, Central European University in Budapest*

'Nothing to See Here' – An Ethnography of Absence at the European Spallation Source *Ivanche Dimitrievski, Linköping University, Tema-T (Tema Technology and Social Change)*

Trading in the Mystery of Commodities *Susanne Freidberg, Dartmouth College*



Chair:

**Christy Spackman**, Harvey Mudd College

Discussant:

**Jennifer Croissant**, University Of Arizona

### **337. Sense and Nonsense in Modern Mathematics**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon F*

Participants:

Discovery Work: Opening Up the Black Box of Mathematical Reasoning *Christian Greiffenhagen, The Chinese University of Hong Kong*

The Practice of Postulates in American Mathematics, 1900-1930 *Ellen Abrams, Cornell University*

NP-Promises: Consensus, Conjecture, and the P vs. NP Problem Since 1960 *Tasha Schoenstein, Harvard University*

Abstracts, Abstraction, and the Senses of Modern Intercontinental Mathematics *Michael Barany, Dartmouth College*

Chair:

**Michael Barany**, Dartmouth College

Discussant:

**Michael Lynch**, Cornell Univ.

### **338. Science and Technology Perspectives on Complementary and Alternative Medicine**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon G*

Participants:

Researching the Auscultation of Traditional Chinese Medicine from the Perspective of Local Knowledge *QIUSHI XU, Tsinghua University*

Translation and Negotiation of Complementary Medicine in the European Union *Jenny-Ann Brodin Danell, Umeå University, Department of Sociology*

What's in a Name? A Boundary Work Analysis of the Controversy over University Homeopathy Education *Elizabeth Caldwell, University of Huddersfield*

Chair:

**Jenny-Ann Brodin Danell**, Umeå University, Department of Sociology

### **339. Algorithms in/of Culture: Exploring the Global Reach of Algorithms**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Beacon H*

Participants:

Seeing Like an Algorithm: Machine Learning and the New Division of Apperceptive Labor  
*Thomas Gilbert*

Understanding Perception of Algorithmic Decisions: The Case of Algorithmic Management

*Min Kyung Lee, Carnegie Mellon University*

Constitutions of the Human in the Digital Age, Then and Now *Margarita Boenig-Liptsin,*

*Harvard STS*

Fetishization Revisited: Faith and Notions of Efficacy in the Making of Algorithms *Dawn Nafus,*

*Intel; Suzanne L. Thomas, Intel Labs; Jamie Sherman, Intel Labs*

Chair:

**Morgan G. Ames**, CSTMS, UC Berkeley

Discussant:

**Suzanne L. Thomas**, Intel Labs

### **340. Making Sense of Computing: Methods, Uses, and Histories**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Berkeley*

Participants:

Law: Intellectual Property and Software in the United States *Gerardo Con Diaz, University of California, Davis (UCD)*

Identity: Transgender Users and the Hacking of the British Welfare State *Marie Hicks, University of Wisconsin-Madison*

Gender: Challenging and Reinforcing Gender Roles in an Early Social Network *Joy Marie Lisi Rankin, Michigan State University*

Disability: Making "Sense" of Computing through Sensory Processing Disorder and Autism *Meryl Alper, Northeastern University*

Play: On Manual Bots and Being Human on Twitter *Amy Johnson*

Chair:

**Kevin Driscoll**, University of Virginia

Discussant:

**Kevin Driscoll**, University of Virginia

### **341. Architectural Design and Practice**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Clarendon*

Participants:

Maintaining Political Care: Drawing and Architectural Pedagogy in Buenos Aires *Nicholas D'Avella, New York University*

Building Now and Then: An Existing Structure Prompts an Imagined Place *Arlene Oak, University of Alberta*

Mass Production Hits Home: the Production/Consumption Junction of the Modern House *Steven Sacco, Loyola University Chicago*

Chair:

**Steven Sacco**, Loyola University Chicago

### 342. The Politics of Economics and the Economics of Politics

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Dalton*

Participants:

Economists against "Limits" *Kevin Baker, Northwestern University*

The Generation of the GDR: Economists at the Humboldt University of Berlin Caught Between Loyalty and Relevance *Till D ppe, University of Qu bec*

Metastatic Communism: Soviet Models of the Political Economy of the Post-Stalinist Soviet Union *Adam Leeds, Harvard University*

Resilience Governmentality: Toward a Genealogy of Systemic Risk Regulation *Onur Ozgode, Duke University*

Chair:

**Daniel Hirschman**, Brown University

Discussant:

**Daniel Breslau**, Virginia Tech

### 343. Technologies of Self

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Exeter*

Participants:

One, Many, and Millions: Is Citizen Science beyond the Reproducibility Crisis? *Joseph M Reagle, Northeastern University*

(In)Sensible Data: A Case Study of a Quantified-self Application for Employee Empowerment *Janine Slaker, Michigan State University*

The Qualified Self in Quantified Times: Implications of Translating Embodied Wellness Practices into Technological Experiences *Rebecca Jablonsky, Rensselaer Polytechnic Institute*

Am I Pregnant? Technology, Self-management, and Power *Joan H. Robinson*

Chair:

**Joan H. Robinson**

### 344. Makers and Making

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Fairfax A*

Participants:

Printing "Opiate" for the Masses: A Marxist Approach to 3D Printing *Tiffany Cheng, Barnard College, Columbia University*

Diffusing Making: The Performative Agency of the Fablab Hype in France *Evelyne Lhoste, French institute for agricultural research (inra); Marc BARBIER, Inra*

Erasing "the hype" of 3D Bioprinting *Carlos Adrian Cuevas, TU M nchen*

Representation in the Making: Constitutive Rhetoric and the Incongruent Discourses of the Maker Movement *Richard Besel, California Polytechnic State University*

Chair:

**Richard Besel**, California Polytechnic State University

### 345. Interdisciplinarity and Universities

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Fairfax B*

Participants:

Promoting Interdisciplinarity in German Universities *Liudvika Leisyte, TU Dortmund, Center for Higher Education (zhb)*

University Commitment to Interdisciplinary Research *Erin Leahey, University Of Arizona*

Measuring Interdisciplinarity Resulting from International Scientific Collaboration *Alejandro Arnulfo Ruiz León, Universidad Nacional Autonoma de Mexico - IIMAS; Nina Jung, Universidad Nacional Autónoma de México*

From Seed to School: The Development of Interdisciplinary Networks from IGERT Grants *Michael Burnam-Fink, Arizona State University*

Transformative Institutions: Interdisciplinary Imaginaries in Science, Engineering, Art, and Design *Kari Zacharias, Virginia Tech*

Chairs:

**Liudvika Leisyte**, TU Dortmund, Center for Higher Education (zhb)

**Erin Leahey**, University Of Arizona

### 346. Border Quants: Biopolitics of Self-Quantification at the Border

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Gardner B*

Participants:

Indigenous Women's Subjective Experiences Using Health-Based Activity Monitors Toward Personal Wellbeing *Marisa Elena Duarte, Arizona State University*

Embodying Data: Duoethnography as a Feminist Methodology for Studying Wearables *Marika Cifor, University of California, Los Angeles; Patricia Garcia, School of Information, University of Michigan*

Not My Data: Troubling Notions of Embodied Agency in Consumer Wearables *Jessica Jean Rajko, Arizona State University*

Testing the Limits of the Quantified Self at the Qual-Quant Borderland: What Can Data Quantification Tell Us About Lived Experience? *Heather M Ross, Arizona State University*

Chair:

**Jamie Winterton**, Arizona State University

### 347. Internationalizing Science and Technology II

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Hampton B*

Participants:

Does Knowledge Circulation Means Translation – Case of iGEM and Synthetic Biology

*Mahendra Shahare, Indian Institute of Technology Delhi,*

International Division of Scientific Labor – An Outlook on Brazilian Human Genetics *Mariana*

*Toledo Ferreira, Universidade de São Paulo / IFG*

Mapping Scientific Collaboration between the US and Muslim Countries *Thed van Leeuwen,*

*Leiden University; Alex Rushforth, CWTS, Leiden University; Sarah de Rijcke, Centre for*

*Science and Technology Studies (CWTS); Paul Wouters, Centre for Science and Technology Studies, Leiden University*

Asymmetrical Cooperation: De-Politicizing International Networks in Current Social Sciences?

*Leandro Rodriguez Medina, Universidad de las Americas Puebla*

Social Sciences as International Science and Technology Resources *Amanda Almeida*

*Domingues, Georgia Institute Of Technology*

Chair:

**Leandro Rodriguez Medina**, Universidad de las Americas Puebla

### **348. The Call of Communism, or How to Handle Frail Political Capacities with Care?**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Jefferson*

Participants:

“Some Commons or I will Suffocate!” or How to Escape Mechanical Assemblages in Cow

Genomics? *François Thoreau, Spiral, University of Liege*

Kitchen-Gardening Opens up a Sense of Belonging in Disturbed Times *Alexis Zimmer,*

*Université Libre de Bruxelles*

The Meaning of Commonly Cared-for Nature according to Struggling Farmers *Benedikte*

*Zitouni, Saint-Louis University, Brussels*

From the Mint to the Crypto-currencies: The Case of Faircoin in the Age of Cognitive

Capitalism *John Nève, Université Paris 1 Panthéon-Sorbonne - Université Saint-Louis*

Chairs:

**Benedikte Zitouni**, Saint-Louis University, Brussels

**Alexis Zimmer**, Université Libre de Bruxelles

### **349. Working with/against the Politics of Benevolent Neuroscience**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 3 - Kent*

Participants:

Innocuous Intersectionality? The Politics in Handedness Research *Tabea Cornel, University of*

*Pennsylvania*

Neuro-Visions of the Prejudiced Mind: Neuroscience and the Search to ‘Cure’ Racism *Oliver*

*Rollins, University of Pennsylvania*

The “Neural Phenotype of Poverty” and the Carceral Imagination *Victoria Pitts-Taylor, Wesleyan University*

Can Therapy Be Cool? An Investigation in the Mediatization of Neuro-Technology *Marisa R Brandt, Michigan State University*

The Practice of Secrecy in Neuroimaging Research *Giulia Anichini, Uqam (Université du Québec à Montréal)*

Chair:

**Tabea Cornel**, University of Pennsylvania

### 350. Affect and Emotion across Sites of Technoscience II

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 5 - Public Garden*

Participants:

From Bits to Bodies: Race, Sex, and the Affective Embodiment of Genomic Data *Jennifer Hamilton, Hampshire College*

What Needs to Be Done, What is Worth Doing: Non Knowledge, Emotions and Framing in the Relationship between Scientists and Social Movements *Ana Maria Vara, National University of San Martín*

The Culture of Truth: Emotions in a Post-Factual World. *Anna Durnova, Institute for Advanced Studies, Vienna - Technoscience and Societal Transformation*

The Circulation of Affect and Emotions in Cultural Debates about Vaccines *Venla Oikkonen, University of Helsinki*

Chair:

**Mianna Meskus**, University of Helsinki, Department of Social Research

### 351. Side-effects of (In)Sensible Participatory Technology Developments

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 5 - Riverway*

Participants:

Absences that Matter: Representations of Old Age in the CURE-Elderly-Personas *Susanne Oechsner, University of Vienna*

Federal Institutes: Alignment with the Institutional Proposal? *Rodrigo Rafael Fernandes, IFPR; Sidney Reinaldo da Silva, IFPR*

Users as the Only Variable – Participation as Re-Education *Tim Seitz, Wissenschaftszentrum Berlin für Sozialforschung (WZB)*

Locals in the Wasteland: The Unintended Effects of (In)Sensible Local Participatory Technology Development. *Céline Parotte, University of Liège*

Chair:

**Diego Compagna**, Technische Universität Berlin

### **352. Science Displays and the Politics of Representation**

Panel Session

4:00 to 5:30 pm

*Sheraton Boston: Floor 5 - The Fens*

Participants:

The Role of China's Science and Technology Museums in Public Understanding of Science

*Xuan LIU, National Academy of Innovation Strategy, China; Xiang LI, National Academy of Innovation Strategy, China*

Imagining Sustainability in The Crystal: Technological Solutions on Display *Thaddeus Miller,*

*Arizona State University; Kaethe Selkirk, Arizona State University*

Marching off to the Science Wars *Adam Shapiro*

Leveraging the Fight against Fascism to Reposition the Societal Role of Scientists *Sarah Tuttle,*

*University of Washington, Seattle; Chanda Prescod-Weinstein, University of Washington*

Chair:

***Sarah Tuttle***, University of Washington, Seattle

### **353. Student Section of 4S (6S) Happy Hour**

Reception

5:30 to 7:00 pm

*Sheraton Boston: Globe Cafe & Bar, 565 Boylston St.*

## Open Panel Convenors

- Anto Mohsin: “Hidden Disasters”: Unexposed Element(s) of Sociotechnical Accidents
- Farzana Dudhwala: “Would you Recommend this Shoulder Surgery?” Effect of Online Feedback and Ratings on Health Care Service Provision
- Kevin Chien-Chang Wu: (Non)Sense-making in/of Neural Sciences and Technologies
- Grit Laudel, Ed Hackett: Academic Careers: Gaining Independence in Different National Contexts
- Claes-Fredrik Helgesson, Steve Woolgar: Academic Evaluation in an Age of “Post Truth”
- Venla Oikkonen, Mianna Meskus: Affect and Emotion across Sites of Technoscience
- Rebecca Jordan-Young, Katrina Karkazis: Analyzing Race as a Ghost Variable in Human Research
- Andrzej Wojciech Nowak, Jason W. Moore: Anthropocene, Capitalocene, Technocene: STS meets World-Ecology
- Ricky Leung: Articulating the Sensibilities of Social Media
- Dora Kaufman: Artificial Intelligence: Mediating Coexistence
- Jia Hui Lee, Diana P Pardo Pedraza, Luisa Reis Castro: Bestial Technoscience: Nonhuman Animals as Technology and in Scientific Practice
- Michelle Spektor, Ranjit Pal Singh: Beyond Identification: Biometrics and the Governance of Social Life
- Sonja Van Wichelen, Marc De Leeuw: Biolegalities in Globalization: Investigating Ethical In/sensibilities
- Sam Haraway, Robin Rae: Bodies, Technologies, and In/Sensibilities in Movement
- Patricia Pena, Maria Goñi, Marcela Suarez, Kemly Camacho: Breaking Codes: Technologies from a Gender Perspective
- Yuko Murakami: Can AI “Do Science?”
- Michael Bouchy, Taylor Dotson: Can Improved Science and Technology Mean Progress? More Intelligently Steering Technoscientific Systems
- Ivan da Costa Marques, Anita Chan, David Nemer, Lars Bo Andersen: Can the Subaltern Research?
- Shun-Ling Chen, Iris Eisenberger, Melanie Dulong de Rosnay: Citizen Science Politics and Practices
- Carsten Østerlund, Gabriel Mugar, Andrea Wiggins: Citizen Science: Beyond the Laboratory
- Raoni Rajão, Susanna Hecht: Clashing Environments and Environmentalisms in Latin America



- Barbara Silva, William San Martin: Cold War Science, Technology, and Policy: The Americas in a Global Perspective
- Colin Rhinesmith, David Nemer: Community Informatics and Science and Technology Studies
- Benjamin Aldes Wurgaft, Neil Stephens: Contested Meatspace(s): Cultured Meat, Cellular Agriculture and the Futures of Foods
- Roger Andre Søråa, Joran Solli: Craft as Practices of Knowledge Making
- Kelly Fritsch: Crippling Feminist Technoscience
- Dylan Mulvin, Cait McKinney: Crisis Infrastructures and the Politics of Interdependence
- Charlotte Kroløkke: Cryo (In)Sensibilities: Reproduction in the Age of Ice
- Sandra Braman: Democracy, Science, and Technology
- Jennifer Singh, Chloe Silverman, Martine Lappe: Detecting Autism; Sensibility and Experience in Autism; Sensitizing Autism Care
- Nicholas Buchanan: Drs. Mom and Dad: Patient and Caregiver Expertise and the Reconfiguration of Medical Authority
- Maria Conceicao da Costa, Renan Leonel da Silva, Susanne Lettow: Dynamics of Knowledge: Bioeconomy and Health
- Kathleen Barnhill, Jason A. Delborne: Emerging Technologies and Conservation
- Dagmar Lorenz-Meyer, Sigrid Schmitz, Pat Treusch: Engaging Material Insensibilities and their Political Effects: What Feminist Materialisms Can Contribute
- Marcus Burkhardt, Victoria Neumann: Engaging with Data: Making Sense of Data
- Sandra Harding, Manuela Fernandez Pinto, Tania Pérez-Bustos: Entangled Sciences of Gender, Sexuality, Race: Latin American Issues
- Kuan-Hung Lo, Yuh Chern Lin: Exploring Prediction: Fortunetelling, Prognostication, and Futurism
- Monika Sengul-Jones, Amanda Menking: Feelings and Doubt in Technoscience
- Alina Geambana, Skye Miner: Feminist STS Analyses of Reproductive Medicine, Technologies, and Practices
- Roderic Crooks, Hemy Ramiel: From Disruption to Obstruction: Race, Gender, Economics, and Other (In)sensibilities of Edtech
- Annette Bickford: Frontiers of Climate Change and Extinction: Rendering Worlds Familiar and Strange
- Knut H. Sørensen, Vivian Anette Lagesen: Gender in Academia: Past, Present, and Future
- Brian Noble: Getting Past Inevitabilist Despair: On Guerilla and Action EthoEcologies
- Martina Schluender, Susanne Bauer, Nils Güttler: Historical (In)Sensibilities
- Michael Mascarenhas: If Not Now Then When: STS and Critical Race Theory

Martín Andrés Perez Comisso, Justin Pickard: In the Making, On the Move: Global Perspectives on Technology Appropriation

Tiago Ribeiro Duarte, Claudia Magallanes-Blanco: Indigenous Knowledges and Technologies

Hans Klein: Institutional Theory and Large Technical Systems

Liudvika Leisyte, Erin Leahey: Interdisciplinarity and Universities

Leandro Rodriguez Medina: Internationalizing Science and Technology

Jacob Lahne, Christy Spackman: Interrogating Food Science and Technology: Green Revolutions, Grey Zones, and Black Boxes

Christena Nippert-Eng: Interspecies Sensibilities

Aleksandar Rankovic, Alice Vadrot: IPBES and Sensing the Politics of Biodiversity

Mascha Gugganig, Maximilian Mayer: Island Imaginaries: From Repositories to Experimental Labs

Signe Vikkelsø, Julie Sommerlund: Life and Death of Partnerships in Research and Innovation

Robert Montoya, Gregory Leazer: Limits of “Infrastructure”

Christy Spackman, Jennifer Croissant: Making Nothing: Institutional Practices of Producing Absence

Colin Garvey, Langdon Winner: Making Sense of Autonomous Technologies, 40 Years Later

Darrin Durant: Making Sense of Climate Policy

Alison Cool, Baki Cakicki, Nick Seaver: Making Sense of Conferences

William Deringer: Making Sense of Political Calculations

Karin Patzke, Ellen Foster: Making Sense of Practice by Engagement

Mara Dicenta-Vilker: Necropolitics

Ada Jaarsma, Suze Berkhout: Placebos, Nocebos, and the Contradictions of (In)Sensible Biomedicine

Maurizio Meloni, Martine Lappe, Becky K. Mansfield: Plasticity, Postgenomics, and the Politics of Possibility: Critical Reflections on the Environmental Turn in the Life Sciences

Shirley Sun: Precision Medicine, Race/Ethnicity, and Public Health in Comparative Perspectives

Julianne Yip, Elizabeth A. Reddy, Adam Fleischmann, Darcie DeAngelo: Predictability's Promises: Knowing Futures, Practicing Presents

Veit Moritz Braun: Property Matters

Anne Pollock, Melissa Creary, Jonathon Metz: Racism and Health: In/sensibility of Embodied Inequality and Inclusion

- Jenny-Ann Brodin Danell: Science and Technology Perspectives on Complementary and Alternative Medicine
- Maria Inez Angela Zamora Ponce de Leon: Science from the Eyes of Local Cultures and Communities
- Anna Croon Fors, Eva Svedmark: Science out of Comfort: Ethics as an Act of Violence
- Jennifer Sterling, Mary McDonald: Science, Technology, and Sport
- Nathanael Bassett, Jason Archer: Security in the Anthropocene: The Peripheries of Order
- Michael Barany: Sense and Nonsense in Modern Mathematics
- Renee Blackburn, Marie Burks: Sense and Sensibility: Science and Religion in a Secular Age
- Arrne Maibaum, Andreas Bischof: Sensing Robots
- Jérôme Denis, Fernando Dominguez, David Pontille: Sensing the Liveliness of Things and the Fragility of Life: Bringing Care and Maintenance Together
- Richard B. Duque: Shaping the Human-Technology Frontier
- Diego Compagna: Side-effects of (In)Sensible Participatory Technology Developments
- Nassim Jafarinaimi, Kathi R. Kitner, Beth Coleman, Mara Balestrini: Smart yet (in)Sensible? Feminist Critical Perspectives on “Smart Cities”
- Jan-Hendrik Passoth, Nicholas James Rowland: Social Studies of Politics: What Do We Care For?
- Meg Leta Jones: Sociotechnical Approaches to Privacy and Data Protection
- Julie Laplante, David Jaclin: Sounding Worlds: Listening as Transformative STS
- Matthew Weinstein: STEM Education: Conservative Restoration and Neoliberal Retrenchment
- Julia Knopes, Kelly Underman, Alexandra Vinson: STS (In)sensibilities and Health Professions Education
- Davide Orsini, Anna Weichselbraun: STS after Truth: Narrative, Translation, and Advocacy
- Dara Ivanova, Bernike Pasveer, Iris Wallenburg, Maria Olejaz, Roland Bal: STS and the Design of Dying, Death and the Afterlife
- Alli Morgan: STS in Practice
- James Malazita: STS, Critical Design, and the Critical Digital Humanities
- Laura Noren, Charlotte Mazel-Cabasse, Brittany Fiore-Silfvast, R. Stuart Geiger: Studying Data Critically: Epistemologies of Data-driven Knowledge Production
- Sarah Davies, Maja Horst: Studying Science Communication
- Niklas Woermann, Karin Knorr Cetina: Synthetic Actors: Drones, Robots and Algorithms as Sensible Interaction Partners
- Winifred Poster, Norma Tamaría Möllers: Techno-Jobs and Capital

- Hui Luo, Zhengfeng Li, Xingqing Zhang, Achim Rosemann: Technological Innovation, Primary Healthcare and Social Justice
- Javiera Barandiaran, Tristan Partridge: Technologies as Rubble? Destabilizing Narratives of Progress
- Kean Birch: Technoscientific Rent
- Aadita Chaudhury, Ingrid Ockert: Television as a Contested Site of the Creation of Knowledge and Social Imaginaries
- Aya Hirata Kimura: Tensions and Challenges for Environmental Citizen Science
- Jochen Glaser, Ed Hackett: The (In)dependence of Research(ers): Good? Bad? Necessary?
- Philip Mirowski: The Agenda(s) of Open Science
- Matthew Wolf-Meyer: The Ends of the Nervous System
- Brit Ross Winthereik, Andrea Ballesterio: The Ethnographic Effect: Imagining a Next Generation of Methodological Possibilities
- Chloe Ahmann: The Poetics of Denial: Knowledge-making and Expertise in a “Post-Fact” Era
- Sebastian Michael Pfotenhauer, Erik Aarden: The Politics of Deficit Construction
- Victor Toom, Sarah Wagner: The Politics of Forensic Identification in the Wake of Disaster and Atrocity
- Wen-Hua Kuo, Michael M.J. Fischer: The Sensibilities of East Asian STS: Strategies, Trajectories, and Visions
- Beza Merid, Max Liboiron: Theorizing Harm
- Hsin-Hsing Chen, Paul Jobin, Pascal Marichalar: Toxic Torts and Persistent Polluters
- Nicole L. Klenk: Transdisciplinary Research: Transforming Sensibilities and/or Making Usable Knowledge?
- Grant Shoffstall: Transhumanism: Critical STS Engagements
- Dorothea Born, Regula Valérie Burri: Visual (In)Sensibilities
- Nina Witjes, Nikolaus Pöchacker: Visualizing Security: Remote Sensing, Visualization Technologies and the Making of Risk and (In)securities
- Fredy Mora-Gamez, Santiago Martinez-Medina, Tania Pérez-Bustos: What is ‘(Un)making’ STS Ethnographies? Reflections (Not Exclusively) from Latin America
- Sharon Traweek, Diane Gu, Reynal Guillen, Jarita Holbrook, Vivian Wong: Working at the Edges: Migrants, Women, and Minorities in Technosciences

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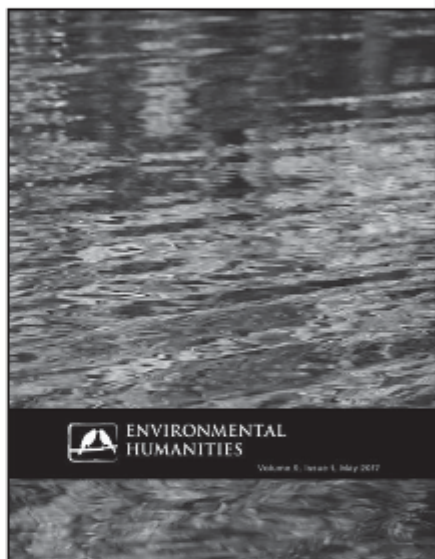
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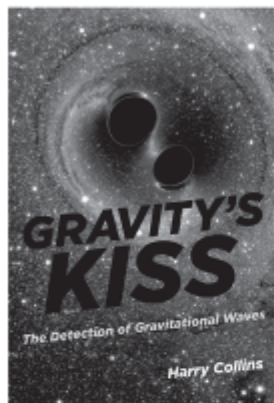
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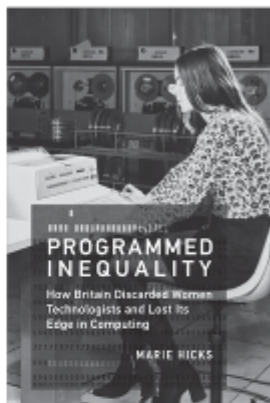
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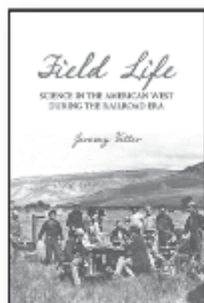
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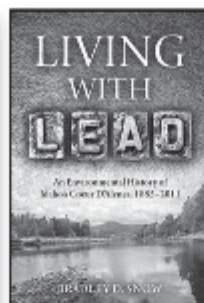
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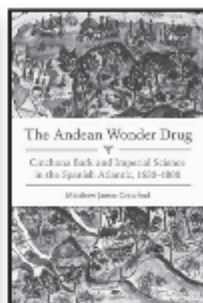
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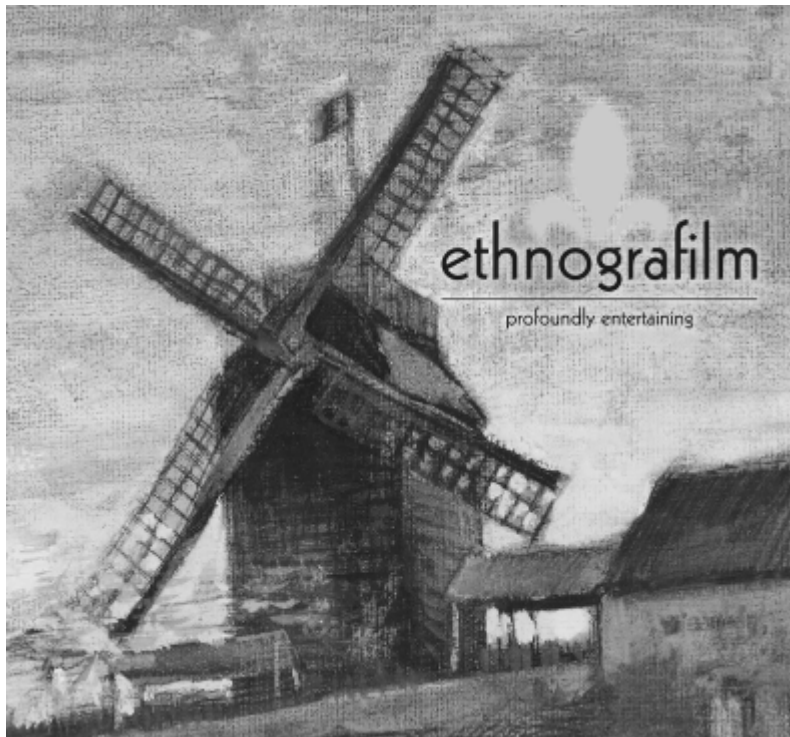
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## The Fifth Annual Ethnografilm Festival

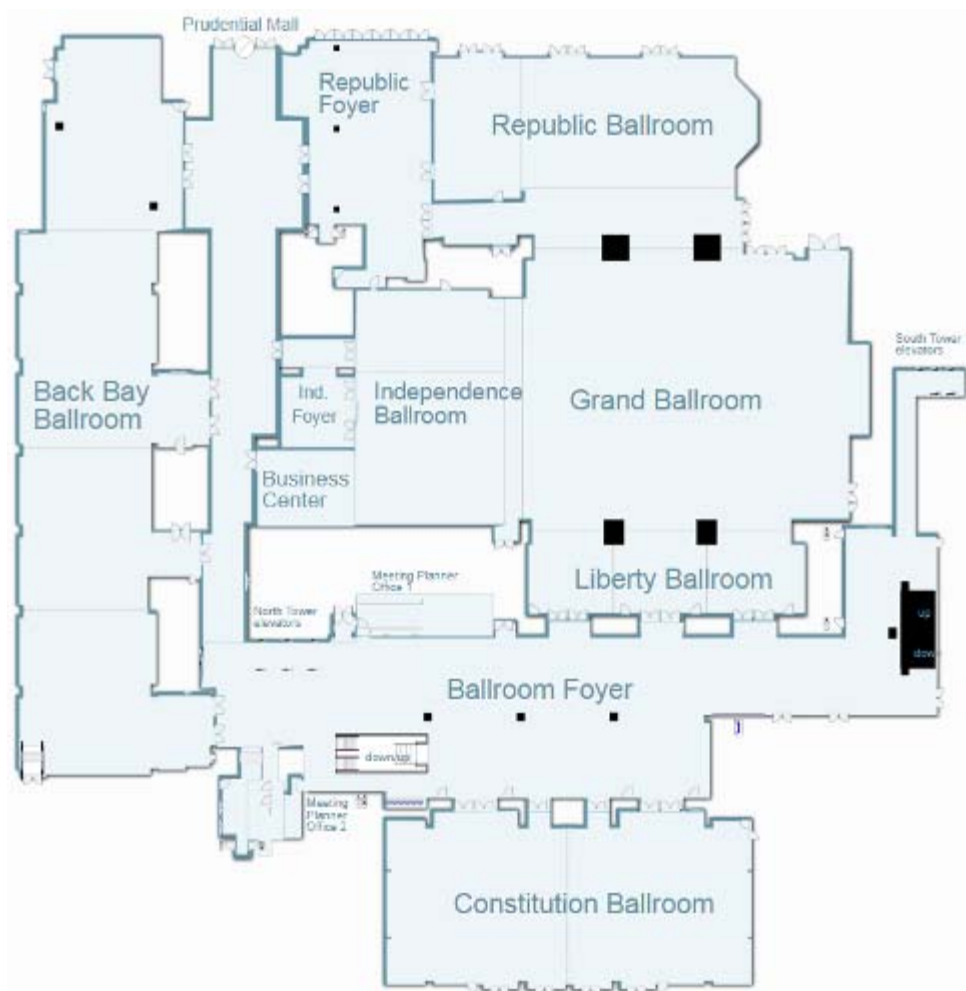
**3-7 April 2018, in Paris, France**

Ethnografilm is a film festival that caters to academics. Someone said “it’s really a 45 meeting disguised as a film festival.” Don’t get me wrong—we only show films, no papers or presentations. But it’s basically a festival for nonfiction filmmakers, not distributors and film people. Ciné 13 Théâtre in Montmartre seats 100 people (mostly couches). It is genuinely the best small theatre on the planet, at the highest point of Paris, next to that famous windmill you’ve seen in impressionist paintings. We don’t sell tickets. You just come and go as you please for four days, with free food and wine. Typically we show about 100 films in a four day period, shot in 30 to 60 different countries.

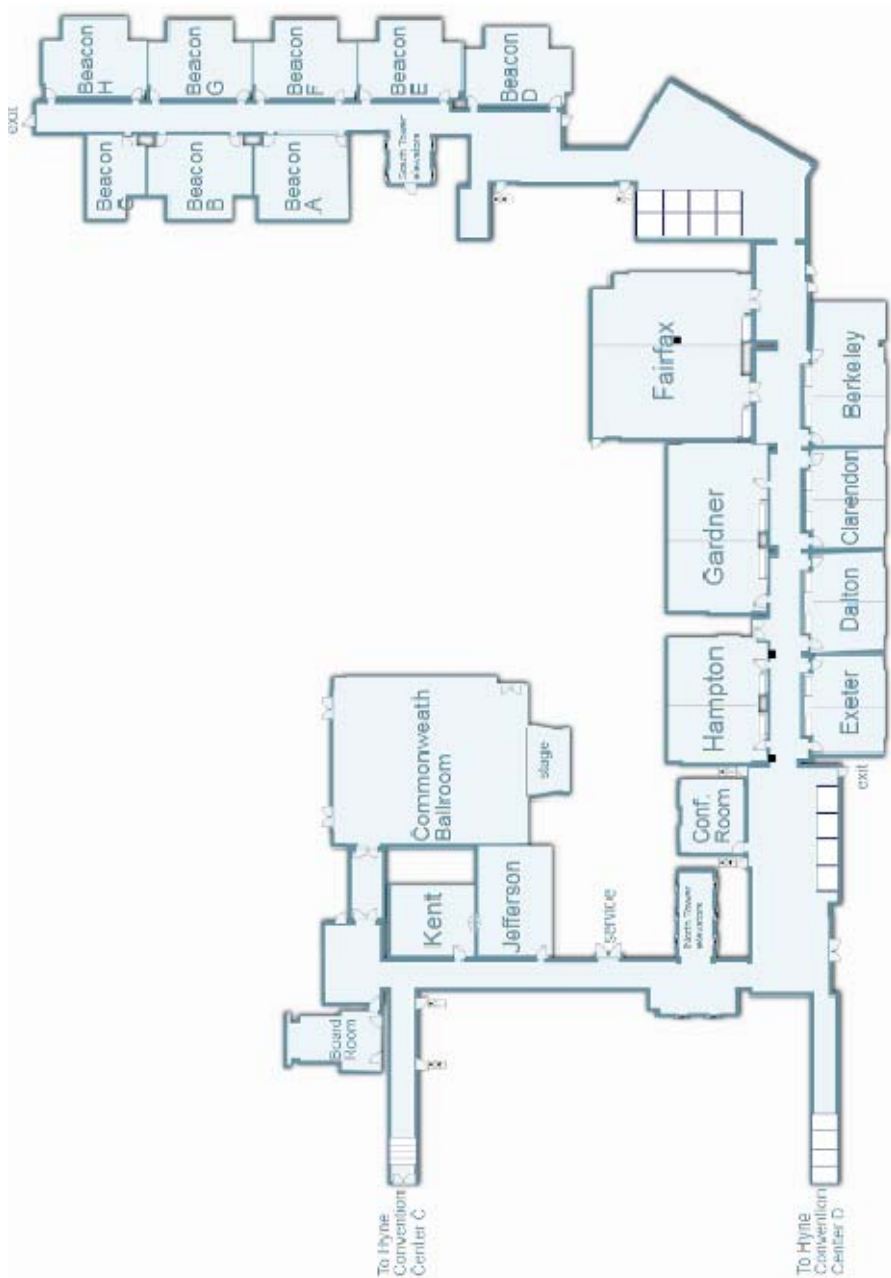
Deadlines and fees are at <http://ethnografilm.com> (you can submit up to December 31st). All submissions are reviewed by an international group (let me know if you’d like to be a reviewer). We’re making an effort to program more student films this year, but there’s no special category for that. To be perfectly honest, we do show long films, but my experience in the past four years is that reviewers are harder on long films. It’s like a journal with a fixed number of pages: screen time is limited.

Contact Wes Shrum [shrum@lsu.edu](mailto:shrum@lsu.edu) for more information.

## 2<sup>nd</sup> Floor



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## 5<sup>th</sup> Floor

